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OVERVIEW

Oracle Certified Application Express (APEX) Developer/Architect

U.S Citizen with Public Trust clearance. Eligible for Secret/TS

With over 25 years immersed in Oracle Technical Consulting, I have established a distinguished career path that has not only progressed through the evolution of Oracle technologies but has also paralleled the digital transformation of enterprise-scale solutions.

My technical expertise, reinforced by a rich blend of hands-on development, architectural design, and technical leadership, has enabled me to deliver high-impact solutions across diverse sectors. As an Oracle Certified Application Express (APEX) Developer/Architect with advanced expertise in AI integration, I specialize in creating innovative solutions that leverage Oracle 23ai capabilities and modern machine learning frameworks to deliver intelligent applications.

I have successfully designed and built multiple AI-powered SaaS products using Oracle APEX as the foundation, integrating advanced language models, predictive analytics, and automated processing engines. My approach combines technical excellence with business acumen to create solutions that transform business processes through intelligent automation.

My ability to navigate complex technical landscapes is proven by my track record in optimizing intricate systems, pioneering innovative AI-enabled applications, and upholding many stringent technical and functional requirements. Bridging the gap between business needs and technical excellence, I strive to bring agility, foresight, and precision to every project I'm assigned.

TECHNICAL SKILLS

Artificial Intelligence & Machine Learning

- Oracle 23ai integration and implementation expertise
- Large Language Model (LLM) integration with Oracle APEX applications
- AI-powered SaaS product development
- Generative AI integration for content creation and analysis
- Predictive analytics and machine learning model implementation
- Oracle AI Document Understanding service integration
- Natural Language Processing (NLP) application development
- AI-based process automation and workflow enhancement

Databases & Programming

- Oracle Database 19, 18c, Oracle 12c, Oracle 11gR2 EE

- Oracle Application Express APEX 24.x, APEX 22.x, 21.x, APEX 18.x, APEX 5
- CSS3, JavaScript, jQuery, JSON, Shell Scripting, BI Publisher
- Expertise level in PL/SQL, SQL, SQL Developer, SQL Data Modeler, TOAD, SQL Loader Scripting
- Oracle Weblogic server, Tomcat, ORDS

Big Data Analytics & Business Intelligence

- Oracle OLAP, Data Warehousing Architecture Star Snowflake Schema Design
- Oracle Data Integrator ODIEE 12c, 11g, OBIEE 12c
- Architected Master Data Management (MDM) Solutions, ETL and ELT frameworks

Webservices & Microservices

- SOAP & REST using ORDS
- Vast experience as architect and developer of both System and Process APIs
- Extensive experience in developing APEX applications consuming various 3rd party APIs

Oracle E-Business Suite Applications (only in context of APEX integration)

- **Oracle e-Business Suite R12.2** — Manufacturing, SCM, Financials, Oracle Projects, Customer Relationship Management (CRM), Human Capital Management (HCM)
- **RICE Components** — Reporting, Integrations, Data Conversions, Customizations, Extensions
- **Technical and Functional exposure to** SCM, HRMS, HCM, OM, PO, PA, GL, AR, AP, CRM, FND, AOL modules
- **Extensive integration (single sign-on) experience**

Blockchain & Crypto

- Oracle Cloud Blockchain
- Expertise in building APEX application as front-end for Hyperledger Smart Contracts/Chain code

Collaboration and Productivity Tools

- Agile Scrum development methodologies
- JIRA Ticketing, GIT Repository, SVN
- MS-Office SharePoint collaboration tools

DevOps Technologies and Tools

- Working knowledge with various DevOps tools
- Hands-on experience with Git, Docker, Kubernetes, Ansible, Jenkins

CERTIFICATIONS AND AWARDS

- **Advanced AI for Enterprises** — *Massachusetts Institute of Technology 2024*
- **Certified Blockchain Developer** — *Massachusetts Institute of Technology 2018*
- **Certified Tableau Admin** — *Tableau 2017*

- **Certified Oracle APEX Developer** — *Oracle Corporation 2015*
- **Oracle Top 5 Consultant (Award)** — *Oracle Corporation 2000*
- **Oracle Data Warehouse Wizard (Award)** — *Oracle Corporation 2000*
- **Certified Cognos Developer** — *Cognos/IBM 1997*
- **Oracle Bootcamp** — *Oracle Corporation 1995*

ARTIFICIAL INTELLIGENCE/MACHINE LEARNING PROJECTS

Air-Gapped LLM Migration Pipeline & Model Fine-Tuning (Sandia National Laboratories / DOE-NNSA) -- Feb 2026 to Jul 2026

- Designed and shipped a fully offline six-stage agentic pipeline (parse, schema mapping, overview, parallel page and inventory generation, assembly) that reverse-engineers legacy Oracle EBS OAF code and produces APEX migration design documents — Oracle 23ai, Python asyncio, and Docker Compose with local model inference (Ollama, Apple MLX) on Apple Silicon; zero external API calls in a secured government environment
- Fine-tuned 26B–30B parameter open-weight models (Gemma 4 26B-A4B MoE, Qwen3-Coder-30B) with PEFT/LoRA on domain-specific code-translation pairs, achieving a 67% eval-loss reduction; expanded scarce training data 7x by generating synthetic instruction pairs from curated gold examples
- Built an automated evaluation harness with benchmark scoring against a 90% quality gate, checkpoint selection, and validation-loss monitoring to control overfitting — model changes shipped only when evals passed
- Engineered prompt templates with slot-based structured output and Jinja2 assembly to get reliable, deterministic generation from local models at production scale
- Cut legacy-code documentation effort from weeks to days: delivered 5,000+ lines of implementation-ready design documentation via parallel LLM generation with human-in-the-loop verification against a requirements traceability matrix
- Navigated federal AI governance and model-approval compliance, pivoting model selection to meet laboratory policy while preserving output quality

Narabi -- AI-Powered Production Planning SaaS (Tsubaki Nakashima) -- Jul 2026 to Present

- Architecting and building a multi-tenant SaaS product (narabi.io) that replaces a 700,000-formula Excel planning workbook with a real-time, AI-assisted production scheduling platform for a global precision-manufacturing client
- Embedded a Claude API conversational assistant over live production data using RAG on Oracle 23ai AI Vector Search — planners query schedules, material constraints, and work-order status in natural language
- Built a containerized ERP integration agent (Python, Docker) syncing QAD ERP (inventory, work orders, sales orders, forecasts) via Progress ODBC on 5–15 minute incremental polls; shrank the client-side footprint to outbound HTTPS plus a read-only ERP account for friction-free enterprise deployment
- Delivering an Excel-grade planning UX: Next.js frontend with AG Grid Enterprise driving a 270-column editable planning matrix, Entra ID SSO, and per-customer isolated instances hosted on Azure

- Designed the PL/SQL netting and allocation engine as retained product IP, with a weekly enhancement-shipping cadence and a documented handoff model so the client owns operations

AI Code Migration Agent Platform (Oracle Corp) -- Proof of concept Aug-2025

- Fine-tuning Qwen Coder models on XML exports of Oracle Forms FMB files to parse embedded PL/SQL code and intelligently determine required APEX items, regions, and page components
- Engineering LLM-powered code comprehension agents using RAG pipelines and fine-tuned models to analyze legacy codebases and generate semantically equivalent modern code
- Building tool-calling agents with function invocation for AST parsing, schema extraction, and automated test generation with human-in-the-loop validation workflows
- Developing evaluation harnesses measuring agent accuracy, code correctness, latency, and cost-effectiveness with automated regression testing pipelines
- Integrating with Oracle 23ai vector search and Claude/GPT-4 APIs via abstraction layers, enabling model switching and A/B testing for optimal performance

AI Agents & Intelligent Automation Platform (NN Inc.) -- Ongoing part-time

- Designing multi-agent orchestration system with policy-based routing, tool invocation, and lifecycle observability for manufacturing domain workflows
- Engineering document intelligence agents using LLM-powered retrieval (RAG), OCR extraction, and agentic reasoning for automated invoice and PO processing across 7 global ERP systems
- Building AI provider abstraction layers enabling seamless integration across Claude, GPT-4, and Gemini models with evaluation harnesses for accuracy, latency, and cost metrics
- Implementing agentic supply chain workflows with intelligent automation for demand forecasting, inventory optimization, and anomaly detection using predictive ML models
- Deploying containerized AI agents on Oracle Cloud with event-driven architecture, enabling real-time data processing for manufacturing operations across North America, Europe, and Asia

AI-Native Engineering Practice -- Daily

- Claude Code as primary development environment: custom multi-agent teams (planner, code-reviewer, security-reviewer), authored MCP servers (Oracle SQLcl, APEX component APIs, browser automation), skills, and hooks orchestrating parallel subagents in isolated git worktrees
- Built a personal AI memory platform on Oracle 23ai — HNSW vector index over OpenAI embeddings powering semantic recall across 60+ projects — plus an LLM-processed meeting-transcript pipeline (92K+ speaker-attributed utterances) queried via natural language
- Ship low-code + AI hybrid solutions daily: Oracle APEX and n8n workflow automation extended with LLM API calls, structured-output prompting, and REST integrations

ORACLE WORK EXPERIENCE

Sandia National Laboratories (via Fidelis Companies), Albuquerque, NM

Senior Oracle APEX Architect/Developer · AI-Augmented Modernization — 02/2026 – 07/2026

Program: Financial Systems Modernization (Org 09742) — AI-Accelerated Oracle EBS OAF-to-APEX Migration

Client: Sandia National Laboratories / U.S. Department of Energy (NNSA)

Projects

- **Air-Gapped Local LLM Migration Pipeline:** Designed and built a fully offline AI pipeline to accelerate legacy-code reverse engineering in a secure environment where cloud AI is prohibited. Six-stage architecture (XMLTABLE parse, LLM mapping, overview, parallel page and inventory generation) combining Oracle 23ai, Python asyncio, and Docker Compose with local model inference via Ollama and MLX on Apple Silicon (Mac Studio M3 Ultra, 256GB unified memory). Packaged for air-gap transfer with reproducible offline installs.
- **LLM Fine-Tuning (LoRA):** Fine-tuned 26B–30B parameter open-weight models (Gemma 4 26B-A4B MoE, Qwen3-Coder-30B) on domain-specific OAF-to-APEX translation pairs using PEFT/LoRA (rank-16 adapters on attention projections, ~15M trainable parameters) under both HuggingFace Transformers (MPS bf16) and Apple MLX. Achieved 67% eval-loss reduction; managed overfitting via checkpoint selection and validation-loss monitoring. Expanded scarce training data 7x by generating synthetic instruction pairs from curated gold examples.
- **Automated Model Evaluation Harness:** Built a weighted multi-dimension benchmark (structure, label accuracy, sample data fidelity, inventory completeness) with a 90% pass threshold to score fine-tuned checkpoints against base models before deployment — preventing regressed adapters from entering the pipeline.
- **AI Governance Compliance:** Navigated the laboratory's AI model-approval process; re-architected the pipeline from a prohibited model family to the approved Gemma 4 family (including EmbeddingGemma for embeddings) with no loss of pipeline capability.
- **Non-PO Payment Request (CHREQ) Modernization:** Re-platformed a production Oracle EBS OAF application to Oracle APEX with full functional parity — seven-status approval workflow, four-role security model mapped to EBS financial responsibilities, distribution-line-driven amounts, and legacy-parity audit history. AI-generated migration inventories (LOVs, views, PL/SQL procedures, controllers, EBS tables) fed interactive prototypes with 200+ source-code drill-down links and a 28-item requirements traceability matrix across 14 screens.
- **Travel Expense Vouchers (Form 4601C) & AI Feedback Portal:** Built APEX travel-voucher entry with automatic mileage and GSA lodging-proration calculations, plus a reviewer-feedback portal managing UAT backlogs across two concurrent modernization projects.

Achievements

- Delivered an end-to-end local LLM toolchain — inference, fine-tuning, synthetic data generation, and automated evaluation — running entirely on on-premises hardware with zero external API calls
- Cut legacy OAF documentation effort from weeks to days using parallel LLM generation with human-in-the-loop verification against a requirements traceability matrix
- Produced 5,000+ lines of implementation-ready page-design documentation for the air-gapped government APEX environment
- Built an autonomous 53-check data-verification harness for production handovers; resolved all first-run failures same-day

Technologies

- AI/ML: Ollama, Apple MLX / mlx-lm, HuggingFace Transformers, PEFT (LoRA), Gemma 4 family, Qwen3-Coder, EmbeddingGemma, synthetic training-data generation, model benchmarking
- Oracle APEX 24.x, PL/SQL, Oracle E-Business Suite (APPS schema, OAF, view objects), Oracle Database 23ai, SQL
- Python 3.12 (asyncio), Docker Compose, air-gapped deployment packaging

Domain Expertise

- AI in restricted environments: air-gapped LLM operations, federal AI governance and model-approval compliance, local fine-tuning on Apple Silicon
- National laboratory / FFRDC environment: DOE/NNSA, Accounts Payable and travel-voucher financial workflows, EBS responsibility-based security

Additional Information

Department of Energy / Accenture Federal Services, Washington D.C

Senior Oracle APEX Architect/Developer — 09/2022 – 02/2026

Program: DOE BPMI ERP Modernization (Naval Nuclear Propulsion Program)

Client: Bechtel Plant Machinery, Inc. (BPMI) / U.S. Department of Energy / U.S. Navy

Projects

- **Enterprise Supply Chain Management Platform (SCM Release 1 & 2):** Architected and developed a mission-critical 77-page APEX application managing military supply chain operations including sales orders, transfer orders, and shipment tracking. Built custom workflow engine with multi-stage approvals, vacation delegation, group-based routing, and automatic escalation. Developed FRM219/220/228 APEX forms and EXT288/296/302 extensions for sales order processing and Controlled Handling Equipment (CHE) tracking. Integrated DD-1149 requisitions and DD-250 receiving reports with barcode generation.
- **Oracle Fusion Cloud Integration:** Designed and implemented 15+ REST API integration packages with bidirectional sync to Oracle Cloud ERP (FSCM/HCM/CRM). Built staging table pattern with error handling and retry logic across DEV, UAT, and PROD environments.
- **Federal Financial Audit (FFA) Cost Allocation System:** Developed cost allocation calculation engine for PO/TO/SO allocations across fiscal years. Created financial forecasting application integrated with Oracle Projects. Resolved critical invoice date defect affecting 11,700+ records by correcting accounting date vs expenditure date logic in production views.
- **Transaction Authority & Funds Management:** Built Transaction Authority Maintenance application for funds priority tracking and charge data management supporting federal procurement workflows.
- **SCM Portal & Dashboard:** Developed centralized AFS SCM Portal with Chart.js analytics dashboards, real-time approval status visibility, and performance metrics reporting.

Achievements

- Delivered enterprise APEX application with 104 tables, 28 views, 38 PL/SQL packages, and 57 triggers supporting critical military logistics operations
- Architected custom approval workflow engine replacing Oracle BPM—supporting sequential/parallel approvals, group delegation, vacation rules, and complete audit trail

- Resolved critical FFA invoice date defect affecting 11,700+ records, enabling accurate fiscal year cost allocation across federal procurement
- Created 30,000+ lines of technical documentation including architecture guides, API specs, and QA test plans for BPMI deliverables
- Led functional design sessions and development demos for BPMI/UNNPP stakeholders, translating requirements into technical specifications
- Contributed to federal project deliverables including Requirements Traceability Matrix (RTM), Design & Build Status Reports, and Data Collection documentation

Technologies

- Oracle Cloud Autonomous Database 19c+, Oracle APEX 21.2–24.1, PL/SQL, SQL, JSON handling
- REST APIs via ORDS, Oracle Fusion Cloud (FSCM/HCM/CRM), OIC orchestration
- Tailwind CSS, Chart.js 3.9.1, JsBarcode 3.11.5, Lucide Icons
- Dual schema architecture: BSAOIC (ERP/HCM), APEXSCM (SCM)
- Multi-environment deployment: DEV1, DEV2, DEV4, UAT, PROD

Domain Expertise

- Federal Government: DOE/NNPP programs, CUI/NNPI handling, federal audit requirements
- Defense Logistics: Military forms (DD-1149, DD-250), Controlled Handling Equipment (CHE)
- ERP Modernization: Oracle Fusion Cloud migration, legacy system integration

Additional Information

- Project Team: NNPP BSA Application Development Team

The Heritage Foundation, Washington D.C

Part-time Senior Oracle APEX Architect/Developer — 01/2023 – 05/2023

Projects

- **Launched the design and development effort for the Project 2025 initiative.** As part of the initial team, I gathered requirements and designed and developed four applications for Project 2025. This \$22 million presidential transition project is led by the Heritage Foundation, a prominent think tank known for its influential role in shaping conservative policies and staffing Republican administrations since the Reagan era. Project 2025 aimed to create a right-wing equivalent of LinkedIn, enhancing networking and resource sharing within conservative circles.
- Worked on Restful integration with OKTA/Auth0 for single-sign-on
- Various third-party integrations to support training and vetting of candidates

Achievements

- Designed and developed APEX applications to collect and process employment application data
- Designed and developed custom Themes and templates in APEX
- Custom SAML authentication and authorization

Technologies

- Oracle Cloud Autonomous database & Oracle APEX 22.2

- ORDS, Docker, JIRA
- Public facing end user application
- Internal secured management application

Additional Information

Johnson & Johnson, New Brunswick NJ

Senior Oracle APEX Architect/Developer — 08/2021 – 09/2022

Projects

- **Redesigned the SMART application:** This application facilitates the proactive survey of medicinal products to detect and prevent potential drug safety risks. The SMART application acts as "a giant magnifying glass," closely scrutinizing thousands of potential adverse events for all drugs under surveillance. It identifies statistical signals indicating possible relationships between adverse events and drugs. The system supports a large multinational user base and processes an average of 2 GB of new data every night. Enhancements included optimizing data ingestion pipelines, improving data processing efficiency, and integrating advanced analytics for real-time monitoring and reporting.

Achievements

- **Designed and developed a robust APEX application:** Collected data from various sources and formats, ensuring seamless integration and standardization for analysis. This involved creating ETL processes to handle large volumes of data, ensuring data accuracy and consistency.
- **Created custom themes and templates in APEX:** Enhanced user experience and interface aesthetics by designing and developing bespoke themes and templates tailored to user needs and project requirements. This improved navigation and usability across the application.
- **Implemented custom SAML authentication and authorization:** Developed secure authentication and authorization mechanisms using SAML, ensuring secure access control and data protection. This involved integrating with existing identity management systems and enhancing overall system security.

Technologies

- Oracle 19, Oracle APEX 21.2, PL/SQL, SQL, JavaScript, jQuery and HTML5/CSS3 within Oracle APEX
- OWS- Oracle WebLogic server, ORDS, Docker, JIRA
- Custom pdf templates for reports generation
- Custom Excel workbooks

Additional Information

National Oceanic and Atmospheric Administration (NOAA), Maryland

Senior Oracle APEX Architect/Developer — 09/2020 – 08/2021

Projects

- Re-architected NOAA Fisheries Financial Division (FSD)'s all 5 lending programs. Legacy system was written 10+ year ago, new system was architected on Oracle Cloud with 8 APEX applications to support all 5 programs. I was Technical lead for Cloud Infrastructure architecture and all APEX applications.

Achievements

- Designed and developed APEX application to collect data from both internal and external users
- Document management framework that supports million pdf documents all indexed and searchable
- Custom messaging platform written in APEX to support all FSD applications
- Custom full lifecycle workflow for managing approvals and denials of loan applications
- Designed and developed custom Themes and Templates for NOAA wide APEX deployment
- Custom federated authorization using OAuth2

Technologies

- Oracle 19, Oracle APEX 20.2, PL/SQL, SQL, JavaScript, jQuery and HTML5/CSS3 within Oracle APEX
- Tomcat, ORDS, Docker, JIRA
- Custom pdf templates for reports generation
- Custom Excel workbooks

Additional Information

Federal Aviation Administration (FAA), Washington, DC

Senior Oracle APEX Developer/Consultant — 04/2020 – 10/2023

Projects

- FAA-led modernization of America's air transportation system to make flying even safer, more efficient, and more predictable. ATOM system that I designed and developed in APEX collects cyber security related data from all of FAA systems nation-wide and provides a platform for system owners and auditors to have full overview of FAA systems.

Achievements

- Designed and developed APEX application to collect data from 500+ users
- Reporting framework that supports ad-hoc reporting
- Custom data audit packages to track every small change made to data
- Designed and developed full lifecycle workflow for managing over 2000 data attributes of over 160 FAA systems
- Designed and developed notification framework for ATOM application
- Designed and developed custom Themes and Templates for FAA wide APEX deployment
- Custom authorization using FAA PIV card using SAML2

Technologies

- Oracle 18, Oracle APEX 19.2, PL/SQL, SQL, JavaScript, jQuery and HTML5/CSS3 within Oracle APEX
- Oracle Weblogic, ORDS, Docker, JIRA
- Custom pdf templates for reports generation
- Custom Excel workbooks

Additional Information

The World Bank (Treasury Division), Washington, DC

Senior Oracle APEX Consultant — 03/2020 – 04/2020 (short term 2-month part-time project)

Projects

- Complete environment setup and standards implemented for Treasury wide APEX implementation
- There are over 70 Oracle Forms applications that will be migrated over to Oracle APEX
- Created custom themes to be used across all APEX applications at World Bank
- Created multiple custom authentications to be used across all World Bank applications
- Azure, OpenID, OAuth2 and other custom authentications were created
- Large ORDS SODA collections created for storage of millions of JSON documents

Achievements

- Lead developer and architect, designing and implemented infrastructure level standards for all future APEX applications
- Designed and coded APEX application standards-based Look & Feel along with standard custom authentications to support migration of Forms applications to APEX
- Designed and coded APEX application to create, maintain and migrate webservices and SODA collections
- Developed SDLC process for development and deployment of APEX applications

Technologies

- Oracle 12cR2, Oracle APEX 18.2, Extensive Web Services, PL/SQL, SQL, JSON/XML, JavaScript, jQuery and HTML5/CSS3 within Oracle APEX
- Tomcat
- ORDS restful web services
- Oracle SODA

Additional Information

Estee Lauder (Online Division), New York, NY

Senior Oracle APEX Developer/Consultant — 11/2019 – 03/2020

Projects

- Complete rewrite of entire online platform for all of Estee brands worldwide
- There are over 30 brands in over 80 countries resulting in over 200 ecommerce sites
- All sites are driven by Oracle on backend via microservices
- System will grow with more than 200 web services to support all sites
- On-going Multiyear project with Phase I completed
- Fast pace distributed development team working round the clock worldwide

Achievements

- Lead developer and technical lead on architecting, designing and coding microservices to support web storefronts
- Designed and coded APEX application to generate webservices
- Designed and coded APEX application to maintain webservices and manage migrations and publishing of micro services

- Developed SDLC process for development and deployment of web services
- Dockerize Tomcat and ORDS for deployment on Kubernetes and Docker swarm

Technologies

- Oracle 12cR2, Oracle APEX 18.2, Extensive Web Services, PL/SQL, SQL, JSON/XML, JavaScript, jQuery and HTML5/CSS3 within Oracle APEX
- Tomcat, ORDS, Docker, Kubernetes, Jenkins
- ORDS web services

Additional Information

US Dept. of Energy, MSTS, Las Vegas, NV

Senior Oracle APEX Developer/Consultant — 04/2017 – 11/2019

Projects

- P-Card Reconciliation, Oracle APEX custom application as extension to Oracle EBS, APEX software Upgrade (from 5.2 to 18.2), Enhancements, support
- Custom APEX app migration application used to promote code between various Oracle environments
- Undertook Full responsibility in Enhancements, production support, Solution Design, hands on development of end-to-end data Interface solution using Oracle APEX 5.1.3 and CLF application — XML and JSON File Generation formats extensions and Web Interchange for Federal Reporting Formats
- Enhancements, Upgrade and Refactored applications from APEX 4.2.6 to APEX 5.1.3 and then to APEX 18.2

Achievements

- Worked as a Senior Technical Oracle APEX Consultant for Designing, Architect and develop P-CARD reconciliation application as a custom extension of existing Oracle EBS interfacing with Oracle iProcurement, User Interfaces Enhancements, APEX Upgrade to Universal Theme, Menu Navigations and Application UI enhancements
- Migrated legacy Application data to Oracle. Lead role for data migration, new APEX UI interfaces
- Design custom single sign-on solution for seamless integration from EBS to Oracle APEX
- New design for Bank flat file formats files, file interchanges, reporting, New Screens UIX development
- Extensive hands on development work using Oracle APEX18.1, PL/SQL, XML
- Extensive use of web services

Technologies

- Oracle 12cR2, Oracle APEX 5.1.3, Extensive PL/SQL, SQL, JSON/XML, JavaScript, jQuery and HTML5/CSS3 within Oracle APEX
- Oracle EBS Concurrent Manager, ORDS web services, Oracle BI Publisher

Additional Information

Los Angeles Metro - Office of Management & Budget (OMB), Los Angeles, CA

Senior Oracle APEX Developer/Consultant — 03/2015 – 04/2017

Projects

- Annual budget forecasting, Quarterly Budget amendments and Budget analysis Oracle APEX custom application as extension to Oracle EBS
- Annual and Quarterly Performance matrix data gathering and reporting application including Dashboard for CEO
- 10-year Budget forecasting application
- Budget amendment approval integrated with Oracle Workflow
- Custom integration with Tableau Charts, Drill down to Tableau charts from APEX Reports

Achievements

- Worked as a Senior Technical Oracle APEX Consultant for Designing, Architect and develop 5 different Budgeting applications all integrated with existing Oracle EBS interfacing with Oracle Financials. User Interfaces Enhancements, APEX Upgrade to APEX 5.2 from APEX 4.x
- Migrated excel based legacy Application data to Oracle. Lead role for data migration, new APEX UI interfaces
- Integrate Insum single sign-on solution for seamless integration from EBS to Oracle APEX
- Extensive hands on development work using Oracle APEX 5.1.3, PL/SQL, XML
- Extensive integration with Oracle EBS concurrent programs
- First ever Oracle APEX drill down to Tableau functionality

Technologies

- Oracle 12cR2, Oracle APEX 5.1.3, Extensive PL/SQL, SQL, JSON/XML, JavaScript, jQuery and HTML5/CSS3 within Oracle APEX
- Oracle EBS Concurrent Manager
- Oracle BI Publisher
- Oracle Workflow

Additional Information

NASA Jet Propulsion Laboratory, Los Angeles, CA

Senior Oracle APEX Developer/Consultant — 02/2014 – 03/2015

Projects

- Application development/rewrite for IBF tool (Institutional Business Forecast) in a role of Technical lead and lead developer
- Custom APEX application to manage and procure logistic services from third party vendors (UPS, FEDEX, Independent Operators)
- Integrated IBF application with AP, AR GL modules of Oracle Financials
- Live integration with APIs from UPS, FEDEX etc. using SOAP based web services for price quotes and label printing
- Integration with proprietary warehousing and receiving software at JPL

Achievements

- Worked as a Senior Technical Oracle APEX Consultant for Designing, Architect and develop IBF 20-year budget forecasting application as a custom extension of existing Oracle Financials, User Interfaces Enhancements, APEX Upgrade to Universal Theme, Menu Navigations and Application UI enhancements
- Design custom single sign-on solution for seamless integration from EBS to Oracle APEX
- Custom Oracle APEX plugins developed to satisfy strict requirements
- Extensive hands on development work using APEX 5.1.3, PL/SQL, XML, SOAP
- Extensive use of web services

Technologies

- Oracle 11, Oracle APEX 5.1.3, Extensive PL/SQL, SQL, JSON/XML, JavaScript, jQuery and HTML5/CSS3 within Oracle APEX
- Oracle BI Publisher
- SOAP & REST based web services

Additional Information

OTHER NOTABLE PROJECTS

- **JP Morgan Chase** (Phoenix, AZ) 2012-2014 — Retained by Oracle Corporation to assist with Application migrations, Architectural designs and technical lead for Mortgage Banking LOB of Chase. Responsible for 78 APEX applications and lead a team of 8 prod support resources along with all change management tasks for these applications. Also responsible for Code reviews and all application enhancements. I also managed performance testing team and the coding standards team at Chase. This was a very hands-on position with several different lines of responsibilities managing several different teams across all technical areas. This was a very challenging project where along with managing various developers I coded 5 new applications for the bank over 18-month period.
- **Food & Drug Administration - FDA** (Washington, DC area) 2012-2012 — Retained by Booz Allen to help rebuild application to record monitor and report CTP's Tobacco Inspection Management System (TIMS). Several thousand inspections are processed and reported through this system. Implemented APEX 4.0. Extensive use JavaScript and jQuery.
- **Department of Justice** (Washington, DC) 2010-2012 — Retained by Oracle Corporation to help rebuild Case processing system for US Sentencing commission. Over 60,000 cases are processed through this system which includes managing millions of case files, manual and OCR data entry. Led a team of 6 consultants, Implemented APEX 4.0. This system was previously on FoxPro, the database was migrated from FoxPro to flat files and then to Oracle with Oracle APEX front-end.
- **JP Morgan Chase** (Columbus, OH) 2010 — Retained by Oracle Corporation to Optimize and tune APEX Infrastructure at JPMC. JPMC has one of the largest deployments of APEX in the world with over 700 Applications running on single database instance used by millions of customers daily. Designed new SDLC for APEX development and restructured the deployment process, most of the work was on Infrastructure side with some application-level tunings.
- **Fairfax County Public Schools** (Alexandria, VA) 2009-2010 — Maintenance and enhancement of County school Intranet and Public profile website using Oracle APEX. All student data is stored in

Oracle and reported via Oracle APEX, the application I'm responsible for reports on disciplinary and student safety data. This is a vast 500+ table Oracle data warehouse.

- **Boart Longyear** (Salt Lake City, UT) 2009 — Developed project management Portal using Oracle APEX. This application is used to manage over 4000 Oil and Natural gas drilling projects worldwide and interfaces with Oracle E-Business suite. Prior to development I was also responsible for setting up Development, Testing and Production environments. Installed APEX 4.0 and migrated current 3.2 application to 4.0.
- **North Carolina DPI** (Raleigh, NC) 2008-2010 — Technical lead on various Oracle APEX projects, developed Direct Certification and Verification system for Department of Education which certified State of North Carolina students for free or reduced lunch programs against Dept. of Health and Human Services data. This system takes data from 18 different sources. I was responsible for overall architecture of both Database and APEX application. I worked on all ETL processes, schema design and front-end development tasks. This system generates hundreds of reports and is very heavily used by every public education institute in North Carolina.
- **Lockheed Martin** (Endicott, NY) 2007-2008 — Developed isqlplus replacement tool using APEX, isqlplus is a legacy COTS software that allowed developers to run SQL statements and procedure against Oracle DB, this product is not supported anymore, and Lockheed Martin was assigned to develop a replacement by US Air Force. I designed and developed the replacement tool using APEX. This application now fulfills 200+ requirements and gives web access to over 30 different Oracle databases simultaneously.
- **Getamover.com** (Washington DC) 2002-2007 — CIO of a venture backed startup, grew the organization to 200 employees, startup was acquired in 2007.
- **NMCI (Navy Marine Corps Intranet)** (Tampa FL) 2001 — Led Team 9 consultants in building NMCI Security Information Warehouse and Security Data management Applications. Project manager and Technical Architect tasked with to building a warehouse of data collected by several thousand instances of 14 different security products. Utilized Oracle Express, Oracle Discoverer, Oracle Warehouse Builder, Oracle Portal, Oracle HTML-DB (Oracle APEX) and Oracle Workflow to manage, process and Report on 30 Terabytes of Data Received. System now processes 10 Terabytes of Data every month and will support entire NMCI user community.
- **The World Bank** (Washington D.C) 2000
- **Massachusetts Department of Education** (Boston) 2000
- **Baltimore Gas and Electric** (Baltimore, Maryland) 1999
- **Department of Treasury** (Washington D.C) 1999
- **United States Postal Service (USPS)** (Washington D.C) 1999
- **Nextel** (Vienna, Virginia) 1998
- **AT&T, Lucent** (Greensboro, North Carolina) 1998
- **State of Georgia** (Atlanta, Georgia) 1998
- **US Naval Academy** (Annapolis, Maryland) 1998