Nutan Kumari

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Senior Principal Front-End Architect

PROFESSIONAL SUMMARY

Seasoned Front-End Architect and UI Engineering expert with extensive experience in designing, developing, and leading scalable web applications. Adept in architecting enterprise-grade front-end systems using modern JavaScript frameworks, RESTful APIs, and responsive design principles. Skilled in optimizing performance, building reusable UI components, and delivering seamless user experiences across devices and browsers. Recognized for cross-functional collaboration, mentoring developers, and delivering intuitive and high-performing web interfaces aligned with business goals.

CORE SKILLS & TECHNOLOGIES

• Languages: Java, JavaScript (ES6+), HTML5, CSS3, JSON, XML, SQL

• Frameworks & Libraries: ReactJS, NextJS, JavaScript Extension Toolkits, KnockoutJS, RequireJS, jQuery

• APIs & Integration: RESTful & SOAP Web Services, GraphQL (familiarity), Microfrontend Architecture

• Tools & Platforms: Git/GitHub, JIRA, Webserver, Eclipse, VS Code, Oracle VBCS, Figma

• Cloud & Backend: Oracle Cloud Infrastructure, Oracle ADF, Java, Metadata Service Layer (MDS)

• Methodologies: Agile, Scrum, CI/CD, Test-Driven Development (TDD) with JUnit

PROFESSIONAL EXPERIENCE

Senior Principal Applications Software Developer | Oracle Canada
Feb 2021 – Present | Toronto, Canada

• Led the architecture and front-end development for Oracle CPQ (Configure-Price-Quote) Cloud's modernization initiatives, implementing new Redwood User Experience (UX) with responsive interfaces using technologies like Java, JavaScript and REST APIs.

• Designed reusable UI frameworks, micro-frontend components, and front-end build pipelines using JavaScript, CSS, and Oracle JET.
• Partnered with UX designers to implement Redwood-compliant layouts improving accessibility, usability, and overall user satisfaction.
• Drove front-end performance optimizations reducing load times by 30% across core modules.
• Built robust RESTful integrations between Sales Cloud and CPQ (configure-price-quote) for Order to Quote scenarios (i.e. generating quotes for customer's orders).
• Mentored global engineering teams on UI design standards, component reusability, and best coding practices.

• Designed and implemented following Oracle CPQ modules.

- Price Waterfall, a core pricing **visualization and analytical component** in Oracle CPQ that enables users to clearly understand how the final net price is derived from the list price through a series of pricing adjustments, discounts, and markups.
- **Quote Summary** in Oracle CPQ — a smart, interactive, and AI-enhanced dashboard that provides sales and approval teams with a comprehensive view of each deal, integrating powerful GenAI insights with a modern, user-friendly interface for faster and more informed quoting decisions.
- **Pricing Portal** is a centralized interface designed to **manage, analyze, and control pricing strategies, rules, and configurations** across products and markets. It provides both business users (like pricing analysts and sales operations) and technical administrators with a unified workspace to oversee how prices are defined, adjusted, and applied within the quoting process.

Senior Principal Applications Software Developer | Oracle America Inc.
Feb 2019 – Feb 2021 | Dallas, Texas, USA

• Technical lead for UI framework modernization using RESTful service integration and modular JavaScript architecture.
• Implemented Metadata Service Layer (MDS) integration, enhancing system uptime and enabling faster deployments.
• Directed a distributed front-end engineering team in delivering Oracle Sales/CPQ Cloud UI enhancements and new Redwood-style components.
• Introduced reusable web component libraries improving consistency across multiple SaaS applications.
• Collaborated with backend teams to align API design with front-end performance goals.

• Designed and implemented following Oracle CPQ modules.

- **Shopping Cart feature** in Oracle CPQ, enabling users to efficiently select, configure, and manage multiple products or services within a single quote; key functionalities include **adding and removing items**, **updating quantities**, **applying product-specific configurations and pricing rules**, **viewing real-time pricing and discounts**, and **streamlining the transition from product selection to quote generation**s.
- **Transaction Collaborative Mode in Oracle CPQ**, enabling multiple users to **work simultaneously on the same quote** in a controlled environment; this feature facilitated **real-time collaboration, conflict resolution, and synchronized updates** across sales, pricing, and approvals, improving team efficiency, quote accuracy, and reducing cycle time for complex deals.

Principal Applications Software Developer | Oracle India Pvt Ltd / Oracle America Inc.
Feb 2013 – Feb 2019 | Bangalore, India & Dallas, USA

• Led UI development and architecture for CPQ and Sales Cloud's Simplified UI initiative, building modular layouts with Oracle JET and Knockout.
• Designed extensibility frameworks allowing customers to customize UI components without affecting core releases.
• Engineered dynamic configuration and pricing rule interfaces enhancing quote-to-cash process efficiency.
• Partnered with product and UX teams to refine user journeys, improving engagement and reducing user errors by 25%.
• Integrated responsive UI behaviors ensuring consistent experience across desktop and mobile clients.

Project Lead | Oracle India Pvt Ltd.
Apr 2012 – Feb 2013 | Bangalore, India

• Responsible for modernizing legacy Oracle CPQ UIs using JavaScript, HTML, and Oracle frameworks.
• Designed front-end solutions enabling seamless data integration with other enterprise systems.
• Conducted architecture reviews and UI design sessions for global customer implementations.

Senior Applications Engineer | Oracle India Pvt Ltd.
Apr 2010 – Apr 2012 | Bangalore, India

• Developed web UI for pricing and discounting modules integrating with Oracle Order Capture.
• Implemented SCXML-based workflow visualizations improving rule management clarity.
• Enhanced web interfaces for performance and maintainability.

Applications / Software Engineer | Oracle India Pvt Ltd.
Jun 2007 – Apr 2010 | Bangalore, India

• Designed and developed front-end interfaces for Territory Management modules.
• Created custom reporting dashboards using BI Publisher integrated into web UI.
• Focused on usability improvements and efficient data visualization.

Associate Engineer – Software | SLK Software Services
Aug 2004 – May 2007 | Bangalore, India

• Developed interactive web applications using JavaScript, jQuery, and XML.
• Participated in design discussions and implementation of UI modules for one of the large US bank.

EDUCATION

- MS in Management | University of Illinois Urbana-Champaign | Mar 2023 – Mar 2025
- Bachelor of Engineering | Visvesvaraya Technological University (VTU) | Oct 2000 – Jun 2004