NARENDRA K

SENIOR FULL-STACK ENGINEER | REACT & NODE.JS SPECIALIST | ENTERPRISE SOLUTIONS ARCHITECT

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SIDEBAR

Contact Information

- **Phone:** +91-8309718856
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Key Skills

- Full-Stack Development
- React & Next.js Development
- User Interface Design
- RESTful API Development
- SDLC & Agile Methodologies
- Enterprise Security & Authentication

Technical Skills

Languages/Frameworks:

- JavaScript (ES6+)
- TypeScript
- SQL, HTML5, CSS3
- Node.js, Express.js
- React, Next.js
- Redux Toolkit
- React Query

Frontend Libraries:

- Material-UI (MUI) v5
- Tailwind CSS
- SCSS/SASS
- React Router v6
- jQuery, Bootstrap
- Chart.js, ApexCharts

Backend/Database:

- PostgreSQL
- Sequelize ORM
- RESTful APIs
- Passport.js, JWT
- bcryptjs, node-cron

Tools & DevOps:

- Git, GitLab CI/CD
- GitHub Actions
- JIRA, Jenkins
- Docker
- npm/yarn, Postman

Testing & Quality:

- Jest
- React Testing Library
- Unit Testing
- Integration Testing
- Code Reviews

Security:

- Sentry
- CSURF, CORS
- Session Management
- OAuth/SSO, RBAC

Work Experience

Incedo Inc / Verizon
Software Engineer
Jan 2023 - Present

Collabera Technologies
Software Developer
May 2022 - Nov 2022

CSS CROP
Software Engineer
May 2020 - May 2022

Education

B.Tech in Civil Engineering
Sri Siddhartha Institute of Technology
Tumkur, Karnataka
2014 - 2020

Personal Details

- **Languages:** English, Hindi, Telugu

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Profile Summary

Senior Full-Stack Engineer specializing in the design, architecture, and development of high-performance, large-scale enterprise web applications. Proven expertise in the React ecosystem (React, Next.js, Redux Toolkit, React Query, TypeScript) and building secure, scalable Node.js APIs. Successfully delivered mission-critical internal platforms for Fortune 500 companies including Verizon, Estée Lauder Companies, and US Bank. A collaborative problem-solver with strong leadership in code reviews, mentoring, and Agile development practices.

Key Deliverables

- Experience in Full-Stack development, specializing in designing and delivering enterprise web applications for Banking, Innovation Management, and Employee Engagement platforms
- Adept at building scalable, intuitive applications using React, Next.js, TypeScript, and modern state management tools
- Proven track record of designing, implementing, and integrating enterprise web application products and APIs on modern JavaScript platforms
- Expertise in core concepts like Object Oriented Programming (OOP), Functional Programming, State Management, Component Architecture, and Design Patterns
- Proficient in employing Agile, Scrum, and Waterfall methodology to lead teams and deliver high quality products
- Passionate about learning and working on latest technologies, with leadership, training, and feedback capabilities

Functional Competencies

- Expertise in designing and building enterprise level web applications and frameworks using modern JavaScript platforms, APIs, third party libraries, and consuming RESTful web services
- Profound expertise in building large scale apps using MVC, Component-Based Architecture, and microservices architecture
- Experience in Reactive Programming with React Query, Redux Toolkit, React Context API
- In-depth understanding of building applications with robust security and authentication mechanisms
- Knowledge of relational databases and ORM frameworks, such as PostgreSQL, Sequelize, and database optimization
- Effective in performing extensive research on new and emerging technologies and tools, while sharing findings with teams
- Consummate collaborator able to interact easily with clients, senior management, and team members

Significant Projects

Project: Garage - Enterprise Innovation Platform

Environment: Next.js, React, TypeScript, Redux Toolkit, Tailwind CSS & Agile Methodology

Description: Enterprise innovation hub with hackathon management, idea pipelines, and analytics capabilities. The platform serves as Verizon's central hub for internal innovation, event management, and analytics, supporting annual hackathon events and active user base.

Highlights:

- Architected and delivered "Garage," a large-scale, modular enterprise portal using Next.js, React, and TypeScript
- Implemented complex, application-wide state management using Redux Toolkit for global user data and authentication, while leveraging React Context API for managing theme (light/dark mode) and layout state
- Engineered a robust security and session management layer, integrating Verizon's SSO for authentication, implementing Role-Based Access Control (RBAC) for different user roles, and using React Idle Timer to enforce session timeout for enhanced security
- Built responsive, high-performance user interfaces using Tailwind CSS and SCSS Modules, ensuring a consistent look and feel across a multi-layout architecture
- Developed and maintained multiple core feature modules, including Events UI (hackathon management), Idea Labs (innovation pipeline tracking), and Insights UI (analytics reporting)
- Integrated diverse data visualizations for the "Insights" module using Chart.js and ApexCharts to provide users with scannable, card-based analytics and scoreboards
- Optimized application performance through code splitting, lazy loading, and caching strategies

Project: SEE UI (System Experience Excellence) Platform

Environment: React, TypeScript, Material-UI (MUI) v5, Redux Toolkit, Editor.js

Description: Developer experience portal with onboarding workflows, playbooks, and analytics for Verizon's Developer Experience team, streamlining onboarding for developers.

Highlights:

- Architected and delivered a large-scale enterprise portal using React, TypeScript, Material-UI (MUI) v5, and React Router v6
- Implemented a robust, modular state management system using Redux Toolkit, creating multiple slices to manage complex user permissions, content, and application-wide state
- Engineered a sophisticated, block-style rich text editor using Editor.js with plugins to power the "Playbooks" and "FAQ" knowledge management modules
- Built comprehensive analytics dashboards for the "Insights" module, integrating ApexCharts and Recharts for metrics visualization and React Flow Renderer to visualize complex onboarding workflows
- Standardized all complex form handling using Formik and Yup for validation, and implemented advanced, server-side data tables using @mui/x-data-grid for the "Admin" and "User Management" sections
- Secured the platform by configuring an Express.js server with CSURF for CSRF protection and CORS, integrated Sentry for error monitoring
- Collaborated with UX designers and product managers in an Agile environment, participating in sprint planning, daily standups, and retrospectives

Project: Give Kudos - Employee Recognition Platform

Environment: React, Node.js, PostgreSQL, Material-UI, Express.js, Slack API

Description: Full-stack employee recognition platform with Slack integration and DEI initiatives, enabling kudos exchange and employee engagement.

Highlights:

- Led end-to-end Full-Stack Development of an enterprise recognition platform, building both the React/MUI/TypeScript frontend and the Node.js/PostgreSQL backend API
- Designed and implemented a secure, layered RESTful API using Node.js and Express.js, following a Controller-Service-Repository pattern
- Managed the PostgreSQL database and all data access operations using the Sequelize ORM, defining models for kudos, badges, and users
- Integrated the Slack API to provide real-time event notifications and recognition alerts directly to user channels
- Engineered a complex multi-wall recognition system with dynamic badge rendering based on user roles, departments, and organizational hierarchy
- Spearheaded a key Diversity, Equity, and Inclusion (DEI) initiative by building the "Allyship Challenge" module
- Streamlined administrative operations by creating a Bulk Upload feature, allowing managers to import campaign details and grant awards via Excel file parsing
- Developed responsive UI components with Material-UI, ensuring cross-browser compatibility and accessibility

Project: Innovation Fund Management Platform

Environment: React, Node.js, PostgreSQL, Vite, React Query, React Hook Form

Description: Innovation project funding SPA managing submissions, approvals, and budget tracking, processing project submissions and funding allocation.

Highlights:

- Led Full-Stack Development of a modern SPA and API to manage innovation project submissions, approvals, and budget tracking
- Architected a secure Node.js/Express.js API using a layered architecture and Sequelize ORM to manage a PostgreSQL database
- Built a comprehensive authentication system using Passport.js with a JWT strategy, implementing bcryptjs for password hashing and custom middleware for RBAC
- Developed an automated cron job to run daily, fetching and synchronizing employee hierarchy data from an external Verizon API using Axios
- Architected a high-performance, responsive SPA using React, TypeScript, and Vite, leveraging React Router v6 for all client-side routing
- Implemented a comprehensive server state management solution using React Query v4, handling all data fetching, caching, and synchronization
- Engineered a robust RBAC system with JWT authentication, creating PrivateRoute and RoleBasedRoute components to protect routes
- Developed all complex, multi-step submission forms using React Hook Form for optimized performance and validation

- Created a comprehensive admin dashboard with data tables, filtering, sorting, and export capabilities

Project: US Bank Reward Center Platform

Environment: Pattern Lab, jQuery, SCSS, Mustache JS, Bootstrap

Description: Multi-brand rewards center for financial brands including Fidelity, Elan, US Bank, and State Farm, providing component-based design system.

Highlights:

- Architected and developed front-end using Pattern Lab, jQuery, SCSS, and Mustache JS templating engine to create a component-based design system
- Built reusable, modular UI components for different reward center brand sites
- Implemented responsive design patterns using Bootstrap and custom SCSS, ensuring consistent user experience across all brand variations
- Utilized Gulp JS for task automation, including JavaScript compilation, SASS preprocessing, and build optimization
- Collaborated with UX designers to convert wireframes and Photoshop designs into pixel-perfect HTML/CSS implementations
- Managed code versioning using Git and VSTS, ensuring smooth team collaboration and code integration

Project: VIOC Marketing Portal

Environment: Mustache JS, jQuery, Bootstrap, HTML5/CSS3, JavaScript

Description: Marketing campaign management portal for Valvoline Instant Oil Change, managing multi-part lifecycle campaigns and recurring offers.

Highlights:

- Developed marketing portal front-end using Mustache JS, jQuery, JavaScript, Bootstrap, and HTML5/CSS3
- Built interactive UI for multi-part lifecycle campaigns, recurring offers, and email/direct mail templates
- Created form components for campaign creation, template selection, and content management
- Implemented client-side validation and dynamic form interactions using jQuery and vanilla JavaScript
- Converted Photoshop designs and wireframes into responsive, cross-browser compatible HTML/CSS layouts
- Tracked project progress and bugs using JIRA and VSTS, ensuring timely delivery of features

Project: LA MER - Luxury Skincare E-commerce

Environment: React, Redux, JavaScript, Bootstrap, jQuery, CSS3

Description: E-commerce platform for La Mer luxury skincare brand, serving daily users across international markets.

Highlights:

- Developed front-end features for La Mer's e-commerce platform using React JS, Redux, and JavaScript
- Implemented responsive UI components using Bootstrap, jQuery, and CSS3, ensuring seamless shopping experience across devices
- Collaborated with back-end developers to integrate RESTful APIs for product catalog, shopping cart, and checkout functionality
- Utilized NPM for package management and installed React/Redux modules to enhance application functionality
- Maintained code quality through Git version control and participated in code reviews

Project: AVEDA E-commerce Platform

Environment: React, Redux, SASS, JavaScript, Bootstrap, HTML5/CSS3

Description: E-commerce platform for Aveda beauty products with responsive design and comprehensive product management.

Highlights:

- Developed responsive web application front-end using React, Redux, SASS, and JavaScript following design specifications
- Created reusable React components for product displays, shopping cart, user authentication, and checkout flows
- Implemented state management using Redux to handle complex application state across multiple pages and user sessions
- Designed and styled UI components using SASS, Bootstrap, and HTML5/CSS3, ensuring brand consistency and responsive design
- Integrated with backend APIs to fetch product data, manage user sessions, and process transactions