

RAVI KUMAR NERSU

SOFTWARE ENGINEERING SPECIALIST

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SUMMARY

- Result-driven **Specialist Software Engineer** with **8.4 years** of experience in designing, developing, and deploying scalable, high-performance web applications. Specialized in **Full Stack Development** using **React.js, Next.js, Node.js, and NestJS**, with a proven track record of delivering robust, maintainable, and efficient solutions across multiple domains.
- Proficient in **frontend** ecosystems (**React.js, Next.js 14, Zustand, Redux, Zod, Vitest, React Testing Library, Playwright**) and **backend** microservice architecture using **Node.js, Express.js, NestJS, PostgreSQL, MySQL, and Redis**.
- Experienced in implementing **CI/CD pipelines**, code quality automation using **ESLint, Prettier, and Husky**, and following **Agile/Scrum** practices — including sprint planning, daily stand-ups, and task estimation.
- Adept at working with **AEM integrations**, RESTful and GraphQL APIs, and optimizing performance using caching layers and lazy-loading strategies.
- Strong collaborator with excellent **communication and analytical skills**, capable of working as both an individual contributor and within cross-functional teams. Highly adaptable, quick learner of emerging technologies, and passionate about clean code and system scalability.

TECHNICAL SKILLS

- Frontend** : React js, Next js 14, Redux, Zustand, TypeScript, JavaScript (ES6+), HTML5, CSS3
- Backend** : Node js, Nest JS, Express js, RESTful APIs, Microservices, GraphQL
- Database**: PostgreSQL, MySQL, Redis, Mongodb
- Testing** : Jest, React Testing Library, Playwright, Vitest
- Tools** : Git, GitHub, pnpm, ESLint, Prettier, Husky, Docker, Jenkins, AEM, Bitbucket
- Cloud/DevOps**: AWS (S3, EC2), CI/CD pipelines, Nginx
- Other** : Agile/Scrum, Jira, Performance Optimization

PROFESSIONAL EXPERIENCE

LТИMindtree | Specialist Software Engineer

Jan 2024 - Present

Client. : Avis Budget Group

Project : Global Digital Web Platform – Avis & Budget Car Rental Systems

Tech Stack : React 19, Next.js 15 (App Router), NestJS 11, TypeScript, Material-UI v6, Redis, Docker, Kubernetes, AWS

- Developed modern **React 19** apps using **Next.js 15 App Router**, improving load times by 50% through code splitting and caching.
- Architected and maintained a microservices-based monorepo with 6+ NestJS BFF services, handling millions of customer interactions across multiple countries.
- Created a reusable UI component library using Material-UI v6 and Emotion, reducing UI development time by 40%.
- Implemented automated testing frameworks (Vitest, Playwright, PACT) achieving 80%+ coverage.
- Integrated AEM for content management and localization across multiple markets.
- Led migration from monolith to microservices, enabling modular scalability.
- Mentored developers and collaborated across teams following Agile/Scrum methodologies.

LТИMindtree | Specialist Software Engineer

Jan 2024 - Present

Client : Ingram Micro**Project** : Ingram Micro - X4C & X4V Web Portals**Tech Stack** : React.js, Redux, Zenith UI, React Query, REST APIs, TypeScript

- Developed and maintained enterprise web portals for Ingram Micro, streamlining vendor and channel partner operations.
- Built responsive and reusable UI components using React.js, Material-UI, and Redux.
- Consumed REST APIs for onboarding, campaign management, and performance analytics.
- Implemented reusable hooks and state management via React Query and Context API.
- Collaborated with QA and design teams to ensure cross-browser compatibility and minimal regression defects.

MSR COSMOS IT LLP | Senior Software Engineer

Aug 2020 – Dec 2023

Client : TMILL (Tata Martrade International Logistics Limited)**Project** : Railways, SCM, MLS**Tech Stack** : React.js, Node.js, Express.js, PostgreSQL, Azure, Context API

- Developed end-to-end web modules for the Railways LOB, automating logistics workflows.
- Implemented REST APIs, created database schemas, and optimized SQL queries.
- Integrated Google Maps for live rake tracking and dashboard visualizations.
- Designed multi-step workflows and responsive UIs using React.js and Material-UI.
- Contributed to internal tools (ECDB) for HR and organizational data management.

Allmvr Projects Pvt. Ltd | Front-End Developer

Jun 2019 – Aug 2020

Client : ALLMVR**Project** : E-Commerce Customer site, Admin Site**Tech Stack** : Angular 9, Bootstrap, Angular Material

- Built customer and admin portals from scratch for a multi-vendor retail delivery platform.
- Integrated Google Maps, payment gateways, OTP verification, and chat support.
- Implemented Angular Reactive Forms, authentication, and server-side pagination.
- Optimized load times and SEO for better web performance.

Whatsscore Pvt. Ltd | Software Developer

June 2017 – June 2019

Client : Whatsscore**Project** : Whatsscore**Tech Stack** : Angular 4, Ionic 3, TypeScript

- Developed hybrid mobile and web apps for sports tournament management.
- Built authentication flows, dashboards, and participant registration modules.
- Improved UX using Angular Material and Ionic components.

EDUCATION**Bachelor of Technology (B.Tech) – Computer Science & Engineering**

June 2013 - May 2017

KL University, Guntur

ADDITIONAL INFORMATION

- **Languages** : English, Telugu

- **Date of Birth** : 19-May-1996