Mansi Manhas

Senior Software Engineer

+919739219644 ◇ mansi7771@gmail.com ◇ Bengaluru, Karnataka, India ◇ Open to Remote ◇ Medium Articles ◇ LinkedIn ◇ GitHub

SUMMARY

Senior Software Engineer with 9+ years of experience building JavaScript and TypeScript software solutions, specializing in ReactJS and Node.js with MongoDB, PostgreSQL, and MySQL. Proven track record of architecting, developing, and optimizing enterprise applications and software systems by ensuring scalability, maintainability, and performance across the full stack. Expert in building high-performance web applications, developing reusable UI components, and implementing RESTful and GraphQL APIs. Experienced in handling large-scale data loads, performance tuning, and cloud integrations. Passionate about integrating GenAI, Machine Learning, and Artificial Intelligence with Software Solutions. Focused on code quality, best practices, technical engineering, and full-stack problem-solving, focusing on secure web development and CI/CD pipelines. Experienced in building scalable full-stack and AI-powered applications with a focus on performance, reliability, developer experience, and delivering high-quality products.

SKILLS

Programming Languages Node.js, JavaScript, TypeScript, HTML5, CSS3, SASS / SCSS / LESS (preprocessor)
Backend Engineer Node.js, Express.js, TypeScript, Mircroservices, Swagger, Microservices, Design Patterns, Service-Oriented Architecture (SOA)
Data Fetching React Query / TanStack Query, GraphQL, Apollo Client, RESTful API
Front End Frameworks React.js, Redux, Next.js, Microfrontends, JavaScript Frameworks
UI Component Libs Styled-Components, Material UI, Ant Design (AntD), TailwindCSS, DaisyUI, Building and maintaining own component libs
AI Tools and Frameworks OpenAI, Finetuning Models, Prompt Engineering, Claude Code, Vibe Coding, Building AI Tools, Github Copilot
Database Technologies PostgreSQL, MySQL, NoSQL (MongoDB), Prisma ORM, Database Migration
Programming Concepts Design Patterns, Scalability, Database Design, System Design, Relational Databases, NoSQL
Cloud and DevOps Docker, Github Actions, Version Control Systems (Github, Git), GitHub Actions, Version Control (Git), Exposure to Cloud, GCP / AWS / Azure, AWS SDK, CI/CD Pipelines, Azure DevOps
Quality Assurance Jest, Mocha, Chai, Karma, Qunits, Cypress, React Testing Library, Unit Testing, Integration Testing, Test Coverage
Performance & Monitoring Chrome Dev Tools, Jaeger (Distributed Tracing), Bottleneck Analysis, Benchmarking
Project Management JIRA, Trello, Confluence Tooling, Code Review, Google Meet, Microsoft Teams, Slack, Communication Skills, Research & Analytics, Agile, Scrum, Confluence, Product Management & Specifications
Technical Leadership Mentoring, Technical Direction, Technical Vision, Engineering Leadership, Delivery Strategy, Agile Methodology, Refining Requirements, Collaboration with Stakeholders, Team Building, Task Management, UX Advocate, Code Reviews, Root Cause Analysis, Engineering Documentation, End-to-end ownership, 0→1 product development, Developer Experience (DX)

EXPERIENCE

Senior Software Engineer Feb '22 — Present
EPAM Systems Bangalore, India (Remote)
Led development of scalable full-stack and frontend applications, mentoring teams and modernizing codebases across global enterprise projects. Worked in distributed and asynchronous teams, ensuring effective remote collaboration across global projects.

- Delivered responsive and scalable UI solutions for HAVI's supplier and marketing platforms, integrating Redux, Styled-Components, Material UI, and backend APIs for business-critical workflows.
- Designed and implemented scalable backend services using Sequelize-TypeScript with decorator-based architecture (models, services, controllers).
- Integrated Databricks with TypeScript-based models to enable type-safe data processing and seamless API communication.
- Developed and maintained a **shared component library** (published via Azure Artifacts), adopted across **8+ production applications**, improving UI consistency and accelerating development cycles.
- Optimized performance of McKesson Access Management platform, **reducing UI load times by ~20%** through code splitting, memoization, and reusable components
- Contributed to Vertex (tax compliance platform) by implementing **microfrontend** architecture, building dashboards, and leveraging TanStack Query for efficient asynchronous state management.
- Collaborated cross-functionally with **product managers, UX designers, and stakeholders** to refine requirements, improve usability, and ensure timely delivery.

- Mentored junior developers, conducted code reviews, and led frontend architecture improvements, enhancing code quality and team productivity.
- **Achievements** 🏆
  - **Recognized with multiple awards** including Sprint Hero, Fast Performer, and Pat on the Back for high-impact contributions and consistent delivery.
  - **Authored technical articles** for the internal tech community, sharing best practices and learnings to promote engineering excellence.
  - **Led frontend architectural updates** and mentored junior developers, raising team code quality and enabling successful production go-lives.
  - **Design Thinking workshops**, contributing innovative ideas to real-world product challenges

Software Developer Aug '17 — Feb '22
SAP Labs Bangalore, India

- Developed and optimized features for SAP Central Business Configuration, a cloud-based tool for configuring enterprise business processes, ensuring reliability, maintainability, and scalability.
- Built fullstack ERP solutions, working on both frontend (ReactJS, TypeScript, Fiori Apps) and backend (TypeScript, ABAP, PostgreSQL). Enhanced backend business logic, optimizing complex workflows to improve software efficiency and execution times.
- Optimized critical workflows within the software application, reducing task execution time from 9s to 3s, significantly enhancing user experience and system performance.
- Developed a scalable design system repository using SAPUI5 (JavaScript + HTML), creating reusable UI components that were integrated across multiple enterprise-grade customer applications to ensure visual consistency and development efficiency.
- Led the development of enterprise ERP features, managing organizational structures and integrating localizations, ensuring adherence to coding standards and best practices. Designed and developed custom ReactJS components in TypeScript, creating a component library to improve reusability and consistency across applications.
- Built Fiori Apps for S/4 HANA, including a Capacity Planner, Production Planning Board with Gantt charts, enhancing workflow visualization and planning efficiency.
- **Achievements** 🏆
  - **Winner of an SAP Hackathon**, presenting the final product demo at **SAP Walldorf, Germany.**
  - Served as the **Performance SPOC**, identifying and addressing bottlenecks to improve application speed and responsiveness.
  - Acted as a **UX Advocate**, driving usability enhancements and ensuring compliance with accessibility standards.
  - Pioneered a **code quality framework** adopted by a **40+ member team**, improving QKPIs, code coverage, and codebase uniformity. This included establishing a PR review process integrating with Jenkins, Travis CI, SonarQube, code-ownership strategy and self-defined checklist, ensuring high-quality submissions and adherence to best practices

INDEPENDENT PROJECTS

Low Stock Alert System with Real-Time Inventory Monitoring

- Built a real-time inventory monitoring application using Node.js, React.js, MongoDB, and GCP PostgreSQL that tracks stock updates via webhooks and Google Cloud Pub/Sub. Implemented event-driven alerts for low inventory and a dashboard for real-time visibility.

AI Blog Title and Meta Description Generator Link

- Developed an SEO-focused tool using Next.js and OpenAI APIs to generate blog titles and meta descriptions. Finetuned a custom model on top of GPT using domain-specific training data for improved relevance. Implemented SSR for performance and deployed on Vercel for scalability.

SQL Editor View with Performance Optimizations and implementation of Virtualization, Link Link

- Built a performant web-based SQL Editor using React.js with data virtualization to handle large datasets efficiently. Used Redux for state management and Material-UI for a responsive, intuitive UI—optimizing query performance and user experience.

CERTIFICATIONS

AWS Essential Training for Developers, LinkedIn Learning

Microsoft Azure: Certified Data Fundamentals, Microsoft

User Experience - Digital Skills on FutureLearn, Accenture

Claude Code in Action, Anthropic

EDUCATION

M.Tech in Software Engineering, Birla Institute of Technology (GPA: 8 GPA) Bangalore, India

Bachelors in Computer Science (B.C.A), Christ University (GPA: 9.5 GPA) Bangalore, India