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Aviansh Mani Tripathi

Senior Software Engineer

Senior Software Engineer with 5+ years of experience in full-stack web development using React.js, Node.js, JavaScript/TypeScript, and SQL/NoSQL databases. Skilled in building scalable architectures, RESTful APIs, and microservices. Proven track record in leading Agile teams, improving system performance, enhancing user experience, and delivering secure, high-impact solutions. Experienced in CI/CD pipelines, cloud deployment (AWS/GCP), code reviews, and mentoring junior engineers.

Professional Experience

Satschel LLC, San Francisco

Senior Software Engineer

July 2022 - Present

- Led the architecture and development of API Builders, achieving a 30% reduction in integration time for external partners and saving \$30K per year gravitee subscription.
- Mentored a team of 5 junior developers, increasing team productivity and code quality, resulting in a 15% reduction in bug reports during release cycles.
- Expanded the functionality of 20+ RESTful APIs using Node.js, optimizing backend data handling efficiency and reducing response times by 30%.
- Boosted system stability and security by addressing critical bugs and implementing security features, decreasing user-reported issues by 20%.

SpeckyFox Technologies India Pvt Ltd, Noida

Software Engineer

Apr 2021 - June 2022

- Built and consumed 15+ RESTful APIs with Node.js, optimizing data flow and communication efficiency between front-end and back-end systems, leading to a 35% reduction in data processing errors.
- Optimized frontend performance using React JS, incorporating techniques like memoization and lazy loading, which resulted in a 40% improvement in page load times.
- Coordinated with project managers to ensure timely feature development, achieving 100% on-time project delivery and improving team efficiency by 20%.
- Engineered a suite of performance enhancements by refactoring legacy code blocks and optimizing database queries, cutting average application response time by 30% and reducing server load by 15%.

Areas of Expertise

Frontend: React JS, Web Components, WebAuthn, HTML, CSS, JavaScript, Micro Frontends

Backend: Node.js, RESTful APIs, Microservices, GraphQL

Other: Micro Frontends, Security Best Practices, TypeScript

Education

Bachelor of Computer Applications (BCA)

Babu Banarsi Das University, Lucknow

CGPA: 8.5 / 10

Aug 2016 - June 2019

Awards And Recognition

- **Employee of the Year** — Satschel LLC | Oct 2023
Recognized for outstanding performance, technical leadership, and contribution to the API Builder project, resulting in significant cost savings and process improvements.
- **Unsung Hero Award** — SpeckyFox Technologies | Jul 2022
Honored for behind-the-scenes contributions and reliability that significantly boosted team efficiency and ensured consistent, on-time project delivery.

Projects

Liquidity – API Designer Web App

Tech Stack: React JS, Node.js, Express, REST APIs

Built a modular API Designer web application enabling users to design, visualize, and implement custom APIs effortlessly. Reduced development time by 50% and enhanced developer productivity through automated integration workflows.

Simplici – KYC/AML Verification Platform (Simplici Consumer)

Tech Stack: React JS, WebAuthn, Apple JS, Node.js

Developed a secure and user-friendly KYC/AML onboarding platform for consumers, improving verification accuracy and reducing onboarding time by 40% through biometric authentication and device validation.

Simplici – Compliance Platform

Tech Stack: React JS, Node.js, REST APIs, WebAuthn

Engineered an enterprise-grade compliance platform integrating KYC, KYB, AML, Fraud Detection, and eSign modules. Leveraged an API-first architecture to support seamless third-party integrations, enhancing compliance automation and reducing manual checks by 60%.

Foundit Job Portal (Formerly Monster India)

Tech Stack: React JS, Node.js, SEO Optimization, ElasticSearch

Optimized personalized job recommendations, resume parsing, and SEO ranking features. Increased user engagement by 25% and elevated site performance through targeted front-end optimizations.

Nivoda – Real-Time Diamond Marketplace

Tech Stack: React JS, Node.js, WebSockets, Authentication APIs

Created a live marketplace platform for B2B diamond trading with real-time inventory, pricing updates, and secure user authentication. Boosted transaction efficiency and provided seamless buying experience across global markets.