

Avinash Varpeti

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Experience

Travelex

Nov 2024 – Present

Senior Software Engineer

Mumbai, India

- Led the redesign of the bank notes calculation module (FX rates, fees, edge-case rounding), reducing reconciliation discrepancies by **35%** and cutting manual adjustment time for operations by **40%**.
- Architected an event-driven backend for high-volume FX transactions using Node.js, messaging and domain-driven data models, improving system throughput by **50%** and reducing peak-time latency by **30%**.
- Designed a modular frontend architecture for complex LEG and workflow components, standardizing state management and composition patterns, reducing duplicate code by **25%** and shortening feature delivery cycles by **20%**.
- Collaborated with product, QA and compliance to model bank note business rules and risk checks into the platform, decreasing production incidents related to calculation logic by **30%**.
- Leveraged AI coding assistants (GitHub Copilot and similar tools) for boilerplate, tests and refactors, accelerating delivery of critical flows by **20–25%** while maintaining code quality via reviews and automated tests.

Stealth Global

Jan 2023 – Nov 2024

Full Stack Developer

Mumbai, India

- Built a SaaS product from scratch using Next.js, Node.js, Express, MongoDB and AWS, optimized for SEO and performance, attracting a user base of 1,000+ users within 2–3 months.
- Led a team of 4–5 engineers, improving sprint efficiency by **20%** and ensuring **100%** on-time delivery through Agile practices and data-informed planning.
- Developed a custom frontend JavaScript module for the hotel booking system at Five Palm Jumeirah (Dubai), targeting a **15%** uplift in conversion and reducing booking flow errors by **30%**.
- Collaborated with UX/UI teams to identify feasible use cases and avoid rework, saving the client **20%** in development costs and reducing development time by **25%**.
- Used GitHub Copilot and prompt-based workflows for rapid prototyping of UI components, validations and API integrations, cutting average feature turnaround time by **15–20%**.

Koyal Tech

Jun 2021 – Dec 2022

Frontend Developer

Mumbai, India

- Developed and optimized frontend applications for healthcare patient portals using React, Next.js and Redux, improving user engagement by **25%** and reducing drop-off rates by **20%** within the first three months.
- Led performance optimization efforts, reducing load times by **40%** and improving key frontend components, resulting in a **30%** improvement in user satisfaction.
- Collaborated with cross-functional teams to ensure **100%** on-time delivery and seamless integration of frontend with backend services, launching with zero critical bugs.
- Built a reusable Patient Component Library, standardizing UI components and cutting development time by **30%** while improving visual and behavioral consistency.
- Integrated complex APIs and implemented advanced frontend features, increasing functionality by **35%** and reducing support queries by **20%**.

Education

- CGPA: 8.0 / 10.0
- Relevant coursework: Web Development, Data Structures and Algorithms, Backend Development.

Skills

Frontend (3+ years)

JavaScript, React, Next.js, HTML5, CSS3, Sass, Tailwind CSS

Backend (2+ years)

Node.js, Express.js, MongoDB, REST APIs, event-driven architectures, data modelling for financial/transaction systems

DevOps (1+ years)

Git, Docker, AWS, CI/CD (GitHub Actions, AWS CodeBuild), basic observability (logging, metrics, alerts)

AI & Productivity

GitHub Copilot, AI-assisted code generation and refactoring, prompt engineering for faster debugging, test generation and documentation; used to consistently reduce delivery time while maintaining code quality.

Other

Frontend System Design, Data Structures and Algorithms, Problem Solving, Agile/Scrum

Links

GitHub: avi1737

LeetCode: muallem

GeeksforGeeks: avinashvarpetil