



SUJITH VARUGHESE

Portfolio: <https://www.sujithv.com>

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Full-stack software engineer specializing in React, TypeScript, and serverless cloud architecture. Experienced building production SaaS platforms serving tens of thousands of users and developing LLM-powered workflows to ship reliable software quickly.

EXPERIENCE

FULL STACK SOFTWARE ENGINEER

AllClear.ai | Davie, FL

October 2025 – Present

- Delivered production features for a **multi-tenant SaaS** platform powering **Debt.com** and enterprise debt-relief partners in the consumer fintech space, serving **50,000+ monthly users**, using React, TypeScript, NestJS, and Firebase.
- Designed the platform's **multi-tenant Firestore architecture**, introducing a multi-database structure that isolates data per organization while enabling scalable configuration-driven workflows across enterprise partners.
- Built an **LLM-powered chatbot** using the **OpenAI API** that converts natural-language prompts into executable decision-flow logic for an internal decision engine used by Debt.com and partner organizations to evaluate debt-relief program eligibility, enabling non-engineering teams to rapidly author and visualize complex financial eligibility rules.
- Designed and implemented **serverless backend services** on Google Cloud Platform, processing thousands of daily financial transactions with **sub-second p95 latency** using Cloud Functions and Firestore.
- Led redesign** of Debt.com's customer offer confirmation experience, replacing fragmented UI screens with a **reusable React component architecture** and unified layout system implemented from Zeplin specs that improved maintainability and eliminated duplicated rendering logic across multiple partner configurations.
- Implemented **electronic signature integration** for customer agreements using Server-Sent Events to track document readiness and signature status, enabling **thousands of contract completions daily** across partner onboarding flows.
- Improved **system observability** and debugging efficiency by implementing structured logging and request traceability via Google Cloud Logging, reducing production incidents and debugging time by **50%** across frontend, backend, and database layers.

FULL STACK SOFTWARE ENGINEER

SGS Properties, Inc. | Hollywood, FL

December 2022 – September 2025

- Led development of a proprietary property management platform supporting **100+ rental units**, collaborating directly with investors to translate business objectives into scalable services and reducing manual management workload by **40%** through automation and structured onboarding.
- Integrated REST APIs for real-time property listings and rental market data, along with **Stripe Payments API** for secure online payments resulting in increased tenant and management satisfaction and a **150% increase in lease renewal rates**.
- Designed backend architecture using Node.js, MongoDB, AWS S3, implementing OAuth 2.0, Firebase Auth, and JSON Web Tokens (JWT) for secure authentication and role-based access control while supporting stable, uninterrupted operations.

SOFTWARE ENGINEER INTERN

Florida International University Dept. of Engineering & Computing | Miami, FL

January 2022 – December 2022

- Led an **Agile** engineering team to design and ship a full-stack research application, owning system architecture, REST API design, and database schema from specification to deployment.

TECHNICAL SKILLS

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|-----------------|---|
| Languages | JavaScript · TypeScript · Python · Java · C++ |
| Frontend | React · Next.js · Angular · Redux Toolkit · Zustand · React Query · Tailwind CSS |
| Backend | Node.js · NestJS · .NET · REST APIs · GraphQL · Rust · Go |
| Databases | SQL · PostgreSQL · MongoDB · Firestore · Redis · DynamoDB |
| Cloud & DevOps | AWS · Google Cloud Platform · Azure · Docker · Terraform · GitHub Actions · CI/CD |
| AI & Tooling | Cursor · GitHub Copilot · OpenAI API · Anthropic API · LangChain · RAG Pipelines · Prompt Engineering |
| Testing | Jest · Vitest · Cypress · Playwright |
| Design & Collab | Jira · Git · Figma · Miro · Zeplin |

EDUCATION

BACHELOR OF COMPUTER SCIENCE

Florida International University

DECEMBER 2022

- Florida Engineering Society

CERTIFICATIONS

COMPTIA A+

AUGUST 2024

META FRONT END DEVELOPER CERTIFICATE

JANUARY 2024