Lojith Vinsuka Abeysinghe

Full Stack Software Engineer
mg.lojith.vinsuka@gmail.com
+94714710621

GitHub — Stack Overflow — LinkedIn — YouTube — Portfolio

Professional Summary

Full Stack Engineer with 4+ years of experience designing and optimizing scalable web applications. Expert in **Angular, Node.js, and MongoDB**, with extensive experience in React, Next.js, and Cloud technologies. Proven track record of **significantly improving application performance** and streamlining development workflows. Adept at system design, security implementation, and integrating AI-driven solutions to solve complex business problems.

Professional Experience

Full Stack Engineer   *Jun 2021 – Present*
Efito Solutions (Pvt) Ltd – *BuilderBid.com*

- Contributed to migrations from monolithic Angular and Node.js apps to **Single SPA micro-frontend** and **microservices** architectures, enabling independent deployments and improving scalability.
- **Co-led BuilderBid platform development** with other technical leads, integrating CRM and project management functionalities.
- Engineered interactive **plan sheet drawing tools** (Konva.js, Redux, RxJs) and cost estimating spreadsheets (FormulaJS) for accurate project bidding.
- Automated document workflows via **PDF-to-image pipelines**, substantially reducing processing time.
- Integrated **Stripe** payment gateways with subscription models and feature gating.
- **Led development** of the BuilderBid Item Snag Tool Chrome extension for capturing vendor product information.
- Optimized performance via **Web Workers**, UI virtualization, and database tuning; executed a **zero-loss database migration**.
- Mentored junior developers and established code review standards.

Technical Projects & Other Experience

- **Real-Time Collaboration App:** Developed a collaborative drawing application using **Next.js, React-Konva, and Firebase**, featuring live synchronization.
- **Mobile Development:** Built cross-platform mobile applications using **Flutter** with scalable cloud backends (Supabase, Firebase).
- **AI & Cloud Integration:** Implemented AI-driven features using **OpenAI API** and cloud infrastructure (AWS S3, Lambda) for scalable file handling.
- **Quality Assurance:** Established robust testing pipelines using **Cypress** and manual QA processes to ensure high code quality.

Technical Skills

Core Technologies:	Angular, Node.js, MongoDB, TypeScript, Redux
Frontend:	React, Next.js, TailwindCSS, Single SPA
Backend & Cloud:	AWS (S3, Lambda), Google APIs
AI & Automation:	LangChain, LangGraph, OpenAI API, AI Model Integrations
Testing & DevOps:	Cypress, Docker, Jenkins, Git
Languages & Tools:	Python, Electron, REST APIs, Third-party Integrations

Education

BEng (Hons) Computer Software Engineering   *2022-2023*
London Metropolitan University

National Diploma in Technology, Information Technology   *2018-2021*
University of Moratuwa

References

Available upon request.