

Malcon Lobo

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Education & Certificates

- Advanced Certification in Full Stack Development from IIT Roorkee / Great Learning
- B.Tech in Electronics & Telecommunication from VIT, Pune

Projects

Open-Source Developer, npm Registry, Global

05/2026 to Current

- **Engineered open-source code libraries** using TypeScript and React, leveraging **AI models** like **Gemini 3.1 Pro** to rapidly accelerate architectural scaffolding and enforce secure cloud system patterns.
- **TypeScript**: Architected a secure streaming engine for **AWS S3** and GCP, creating a robust cloud multipart upload system with resilient network recovery workflows.
- **React JS**: Engineered a library of highly optimized custom utility hooks, simplifying component logic to help developers maintain consistent architectural standards.
- **Security Best Practices**: Implemented a secure callback adapter pattern, guaranteeing zero secret key exposure in the browser during API integrations.

Work History

Software Engineer II, Sonetel, Hyderabad

10/2024 to 07/2026

- **Engineered complex web applications** and spearheaded the team's adoption of AI tooling, leveraging **Claude Code** for everyday development tasks—including rapid codebase navigation, automated test debugging, and generating isolated multi-file refactors
- **React JS and JavaScript**: Integrated payment gateways and backend REST APIs, resolving silent frontend error handlers and boosting successful checkouts to 75-80%.
- **REST APIs**: Developed backend microservices using **Java, Spring Boot and MongoDB** to power **AI services**, successfully scaling the architecture from prototype to production.
- **AI-Assisted Development**: Executed a complex runtime upgrade from **Node.js** v10 to v22 LTS and **React** v16 to v18, leveraging **Claude Code** to automate legacy syntax migrations and reduce CI build times by 55%.

Associate Software Engineer, Sonetel, Hyderabad

02/2022 to 09/2024

- **Code Review**: Refactored frontend architecture with **MobX / Zustand**, simplifying cross component communication and accelerating new feature development across the team.
- **Agile Collaboration**: Worked alongside product and design teams to roll out new UI/UX price plans, driving an 18% year-on-year increase in the customer base.