SAKSHAM ALOK

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EXPERIENCE

Software Engineering Analyst   Jun 2024 – Present
Nasdaq   *Bangalore, India*

- AI Innovation & Leadership: Served as the 'flag bearer' for AI adoption in the Bangalore office; engineered an AI Boardbook POC for template generation and construction of Boardbooks and developed a suite of productivity agents—JiraScoper, QA Agent, and SUP Agent—to automate developer workflows.
- Mobile Architecture: Implemented mobile-responsive UI for Advance Search and Navigation modules using React and Redux, serving as a critical enabler for the Android app roadmap.
- Technical Communication: Delivered highly-rated technical sessions on GitHub Copilot and custom agents for an internal tech talk series to improve team-wide engineering efficiency.
- Systems Documentation: Navigated a complex, undocumented legacy codebase and systematically converted tribal knowledge into comprehensive documentation to accelerate onboarding for future engineers.
- Legacy Migration & Apps: Migrated BoardVantage from Angular to React, increasing test coverage from 2.81% to 32.7% via Jest, and developed a RAG-based chat-with-PDF app using Spring Boot and Azure OpenAI.

Full Stack Developer   May 2023 - Jul 2023
Assertify   *Bangalore, India*

- Orchestrated a seamless migration from **Spring Boot** to **Express.js**, resulting in enhanced performance and uninterrupted service.
- Engineered **45** efficient **Express.js endpoints** for **CRUD Operations**, facilitated by streamlined database operations and enhanced code clarity achieved by utilizing **MySQL** as the **database management system** and **Sequelize** as the advanced **Object-Relational Mapping (ORM)** library.
- Leveraged **AWS (Amazon Web Services)** to deploy and manage the back-end infrastructure, ensuring impeccable **scalability**, **reliability**, and **security**.
- Developed the application's captivating **landing page** using a combination of **React** and **Tailwind**.

EDUCATION

B-Tech in Computer Science, PES University   2021 - 2025

SKILLS

Frontend Skills	React, Next, Tailwind, Redux
Backend Skills	Express, Node, SQL, Nginx
Others	Prisma, MongoDB, tRPC, Typescript, Git

PROJECTS

ReWire: Resale Website for Used Electronics Parts
Next.js, Tailwind CSS, Prisma, PostgreSQL, Serverless Functions
Designed and developed a platform enabling users to **buy and sell used electronic parts**. Implemented **secure user authentication**, **search and filter functionalities**, and **product listing management**. Integrated **serverless functions** for efficient, scalable backend processing and used **PostgreSQL** for **database management**. The platform promotes **sustainability** by facilitating the reuse of electronic components.