

Roopesh S

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PROFILE

Software developer with hands-on experience across the software lifecycle - from building responsive React UIs to developing scalable Flask APIs, managing MongoDB databases. I've contributed to production systems across frontend and backend, writing clean, testable code that improved usability, performance, and stakeholder satisfaction. I thrive on thoughtful questions, patient debugging, and teams where learning and impact matter as much as the code.

EXPERIENCE

- HCLTech | Software Engineer** 2022 - Present
- Client: Pearson PLC | Bengaluru, India**
- Designed and maintained a **micro-frontend architecture** for a large-scale educational platform using **ReactJS, MobX, Material UI, HTML, and CSS**, improving modularity and **reducing manual efforts by 77%**.
 - Developed interactive and responsive UI prototypes in **Figma**, translating feature requirements into seamless user experiences.
 - Ensured consistent user experience across **web and desktop platforms** by developing and supporting a **cross-platform Electron application**.
 - Developed and maintained **RESTful APIs** using **Node.js** and **Express**, enabling efficient data exchange between frontend and backend.
 - Integrated and optimized database operations with indexing, query tuning, and load handling to boost performance and scalability.
 - Wrote robust **unit** and **integration tests** using **Jest**, improving code reliability and maintainability.
 - Integrated **AI-driven features** to provide contextual assistance and smart recommendations, significantly enhancing user engagement and interactivity.
 - Led microservice feature upgrades, integrating them seamlessly with the core web application for consistent functionality.
 - Managed and optimized **CI/CD pipelines**, deploying applications to development, staging, and sandbox environments with reduced downtime and improved release speed.
 - Utilized tools like **Webpack, ESLint, and Electron Builder** to ensure code quality, performance optimization, and efficient packaging.
 - Collaborated with **cross-functional teams**, ensuring clear communication of service changes and aligning all stakeholders.
 - Supported the team during critical phases, resolving blockers and ensuring timely sprint deliveries.
 - Followed **Agile methodologies** with **JIRA** for sprint planning, task tracking, and code reviews.
 - Delivered multiple **proof-of-concept (POC)** implementations for evaluating future architectural improvements, contributing to modernization and scalability initiatives.

SKILLS

Frontend: JavaScript (ES6+), TypeScript, ReactJS, HTML5, CSS3, Material UI, Redux Toolkit, MobX

Backend: Node.js, SQL, MongoDB, Firebase, Python(Intermediate)

Cloud & DevOps: Azure, AWS, RESTful APIs, Git, Jira, Postman

Methodologies: Agile, Scrum, Software Development Life Cycle (SDLC), TDD Additional: Cross-functional Collaboration, Technical Mentorship, Problem-solving, System Debugging

CERTIFICATION

- Microsoft Certified: [Azure Fundamentals](#)
- AWS Certified: [AWS Cloud Practitioner](#)

AWARDS & RECOGNITION

Received Q4 FY24 - *HCLTech Quarterly Champs Awards* in HCL Technologies for the contribution in Application.

EDUCATION

Bachelor of Technology in Electronics and Communication Engineering.

Sreenivasa Institute of Technology and Management Studies | 2018 - 2022.

DECLARATION

I hereby affirm that all the information furnished above is true to the best of my knowledge

Place: Bengaluru, India

(Roopesh S)