Irine B Thayil

Software Development Engineer | Full Stack

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Senior Software Developer with 3.5 years of experience in Full Stack & Android Development. Dedicated to creating secure, scalable, high-quality, user-friendly applications that meet business objectives.

SKILLS

Python | Java | HTML5 | CSS3 | JavaScript | jQuery | Ajax | AWS | XML | PHP

React.js | Spring | NPM | Babel | Git | MySQL | NoSQL Firebase | Android Studio | Github | Figma

EXPERIENCE

Senior Software Development Engineer | *RoadMetrics, Bangalore*   OCT 2022 - APR 2024

- Led developer mentorships, driving recruitment, training, and performance optimization strategies.
- Collaborated with stakeholders to gather requirements and design scalable solutions adhering to MVC architecture for new software features, resulting in a 20% increase in efficiency.
- Hands-on experience with AWS services such as **S3**, **Lambda**, **CloudFront**, **API Gateway**, and **EC2**, contributing to scalable and resilient cloud architectures.
- Managed full project lifecycles using Jira and Monday, ensuring on-time delivery and driving a **threefold increase in revenue** with the launch of the **Safety Inspection Project**.
- Leveraged FFmpeg libraries to develop custom video clipping functionality for polylines.
- Implemented a Bluetooth clicker button in the Android app, driving a 30% increase in app usage.
- Optimized performance of video hour tracker API, implementing caching mechanisms to decrease server load by 40% and enhance data retrieval speed.
- Developed **Python** scripts automating HMDIF file creation for UK road infrastructure management. Reduced manual workload by 75% and facilitating a 10-fold increase in revenue generation.
- Proposed and implemented an **Internal Platform** using **React.js** and **AWS Lambda** to build **RESTful APIs** to automate client management and data processing tasks, reducing processing time by 85% amid increasing client volumes.
- Enhanced Internal Platform functionality by 5% with reusable components utilizing technologies like **HTML5**, **CSS3**, **JavaScript**, **Hooks**, and **Redux**, streamlining team workflow.
- Utilized virtual DOM techniques to optimize React.js component rendering, reducing CPU usage by 30% and ensuring smoother user experiences on low-end devices.
- Implemented Git version control, improving team efficiency and productivity by 30%.
- Executed comprehensive unit testing strategies, leading to a 20% reduction in software bugs and improved code reliability.

Software Development Engineer | *RoadMetrics, Bangalore*   OCT 2020 - OCT 2022

- Developed and implemented a **dynamic routing algorithm** for RoadMetrics' Android Application helping workers follow custom routes, increasing application usage by 30%.
- Implemented AWS multipart upload SDK in **Java,** optimizing file upload speed by 20%.
- Streamlined **CSV file handling** process with custom Java and Python scripts, resulting in a 20% increase in data processing speed.

EDUCATION

Master of Science in Computer Science | *Liverpool John Moores University* | *(Ongoing)*   GPA: 3.79/4

PGDP in Full Stack Development | *IIIT-Bangalore*   GPA: 3.89/4

Bachelor of Computer Application | *Christ (Deemed to be University), Bangalore*   GPA: 3.70/4