Rahul Malu

Full Stack Development Engineer

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PROFESSIONAL SUMMARY

Full-stack web developer with 3 years of experience specializing in designing intuitive user experiences and building scalable web solutions. Proficient in full-stack development, API design, and CI/CD pipelines, with expertise in React, Node.js, and AWS.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, C++, Java
Frameworks: React, React-query, Express
Frontend: JavaScript, TypeScript, React, HTML, React-query
Backend: Node.js, Express, Python, C++, MySQL, MongoDB, Java
Tools: Git, Mocha, JWT, LaTeX, PowerBI
Databases: MySQL, MongoDB
Platforms: AWS-S3, Docker, Kubernetes, Dynatrace, Jenkins, CircleCI, Grafana

PROFESSIONAL EXPERIENCE (3+ Years)

Full Stack Development Engineer   **Jul 2022 - Present**
Enphase Energy   **Bangalore**

- Designed and implemented an API gateway using Node.js, enabling seamless integration of internal API features into clients' CRM systems.
- Maintained comprehensive API documentation using OpenAPI and React SPA, improving developer onboarding and usage efficiency.
- Achieved 97% test coverage for public APIs by writing extensive unit tests using Mocha and integration tests via Postman, integrated with CircleCI CI/CD pipelines.
- Developed a PDF converter gateway using Puppeteer to convert browser-rendered quotes to PDFs, asynchronously storing files in AWS S3 with metadata managed in MongoDB.
- Built responsive UI features such as subscription/pricing sections and third-party integrations using React and MaterialUI, enhancing user experience.
- Automated API monitoring dashboards using Dynatrace and Python for log monitoring, resulting in a {{20–30%}} improvement in average API response times measured via Apache JMeter.

EDUCATION

B.Tech + M.Tech (Dual Degree) in Instrumentation Engineering   **2017-2022**
(Minor in Computer Science and Engineering)

CGPA: 8.4/10.0   **IIT Kharagpur, India**

ACHIEVEMENTS

- 2024: Finalist, Enphase Ennovate Hackathon – Designed a RAG-based AI chatbot using Generative AI for customer support.
- 2021: Semi-finalist, Flipkart GRID Challenge – Built an AI model to analyze marketing data and calculate customer lifetime value.
- 2019: 2nd Place, Open IIT Hackathon – Developed a classification model to identify weather trends with 90% accuracy.