

Sai Lokesh Reddy Gayam

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SUMMARY

Full Stack Software Engineer (3+ yrs) building scalable apps with React, Node JS, and Python. Proven success reducing API latency by 30%, accelerating deployment frequency 25% via CI/CD, and cutting cloud costs through AWS optimizations. Designs secure microservices and AI solutions deployed on cloud infrastructure.

EDUCATION

California State University, East Bay

Masters in Computer Science

Hayward, CA

Aug 2024 – May 2025

CMR Institute of Technology

Bachelors in Computer Science

Hyderabad, India

Aug 2018 – May 2022

EXPERIENCE

Software Engineer

WashMetrix

May 2024 – Present

San Francisco, CA

- Developed and optimized a **React**-based analytics platform with dynamic dashboards & **real-time data visualization**, boosting user engagement by **25%**
- Engineered **scalable backend services** using **Python & Node JS** and integrated them with React frontends, implementing reusable components and **microservices** that accelerated development timelines by **15%**
- Implemented **comprehensive testing (Jest, Pytest)** achieving **90% coverage**, enhancing system reliability and reducing production bug reports by **20%**
- Collaborated within **cross-functional teams**, ensuring timely completion of bootcamps and successful project delivery, achieving a **100% on-time delivery rate** across all assigned projects
- Architected and automated **ETL pipelines (Python, SQL)** extracting data from POS systems into **cloud databases (PostgreSQL)**, improving data processing efficiency by **20%**

Software Engineer 1

Zemoso Technologies Pvt. Ltd

Nov 2021 – Aug 2023

Hyderabad, India

- Engineered **scalable React components** and optimized **GraphQL** schemas with **RESTful APIs**, achieving a **30% reduction** in response time and boosting performance
- Mentored **3 junior developers** on React & backend **best practices** and conducted rigorous peer **code reviews**, resulting in a **15% increase** in code quality metrics and faster onboarding
- Integrated **Amazon S3** and **QuickBooks APIs** into a modular **event-driven** architecture, enabling seamless data flow that enhanced product functionality and increased **user satisfaction by 20%**
- Designed and implemented **CI/CD pipelines** with **automated testing** and **Docker**, reducing **development cycles by 40%** and enabling 25% more frequent deployments
- Deployed and managed application components on **AWS (EC2, S3)** using **Docker & Kubernetes (EKS)**, implementing **auto-scaling** to handle 30% traffic spikes and reducing **cloud costs by 15%**

PROJECTS

AI-Powered Chatbot Solutions Using Gemini API | AI, LLM, AWS

Feb 2025

- Implemented two **AI chatbots** (student support & customer onboarding) using **Gemini API**, React, and FastAPI via **prompt engineering**, reducing **repetitive queries 40%** and resolution time 60% via LLM workflows
- Deployed **containerized** solutions on AWS ECS with OAuth 2.0 security, **Redis caching**, and CI/CD pipelines, enabling real-time AI support for **500+ users** while reducing manual **workload by 70%**

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, SQL

Frontend: React, HTML5, CSS3, Redux/Zustand, Material UI/Tailwind

Backend: Node.js, Spring Boot, FastAPI, Django, REST, GraphQL

Databases: PostgreSQL, MongoDB, SQL, NoSQL

Libraries/Frameworks: ReactJS, Node.js, FastAPI, GraphQL, REST API, Pytest.

Cloud Technologies: AWS (EC2, S3, Lambda, ECS/EKS), Docker, Kubernetes, Jenkins, CI/CD

Practices: Microservices, Distributed Systems, Agile/Scrum, SDLC, System Design, Design Patterns, API Design.