Usha Sri Gudikandula

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Professional Summary

Software Engineer with 1+ years experience, building, testing, debugging, and maintaining production applications. Experienced in TypeScript, JavaScript, Node.js, React, REST APIs, AWS, and database-driven systems. Hands-on experience in automated testing, root-cause analysis, production troubleshooting, API reliability, OAuth integrations, and CI/CD workflows. Focused on writing secure, maintainable, testable code, preventing defects, and delivering reliable customer-facing software.

Technical Skills

Languages: JavaScript, TypeScript, Python (DSA), SQL
Frontend: React, Next, React Testing Library
Backend: Node.js, Express.js, REST APIs, OAuth 2.0, JWT
Databases & Cloud: PostgreSQL, MongoDB, AWS (EC2, RDS, Lambda, App runner), Docker
Testing & Tools: Jest, Unit Testing, Integration Testing, Git, Jenkins, GitHub Actions, CI/CD, Debugging, Canva

Professional Experience

Software Engineer Aug 2025 – Present

Everest Engineering | Client: Canva

- Integrated Canva's **Publish Intent package** to enable direct publishing workflows without manual export or re-upload, supporting customer-facing social media publishing features.
- Developed and maintained publishing workflows for **images, videos, Reels, and Stories** across integrated social platforms, including Instagram, Facebook, Pinterest, YouTube, and LinkedIn, where supported by the integration.
- Implemented publishing capabilities including **captions, content previews, custom thumbnails, OAuth 2.0 authentication**, and multi-provider permission handling using TypeScript, React, and API integrations.
- Supporting **9 Canva-integrated apps** through a rotating production support roster, troubleshooting SVG drag-and-drop failures, HTTP 429 rate limits, authentication errors, and video publishing and transcoding issues.
- Designed resilient API request handling using **exponential backoff, jitter, bounded retries**, and HTTP 429 rate-limit handling to improve integration reliability.
- Reduced the application error rate from **30% to 10%** through systematic debugging, root-cause analysis, production troubleshooting, and reliability improvements. Improved Instagram asset-browser performance by optimizing API requests and image loading, reducing response time to approximately **1.5 seconds per page**.
- Performed backend deployments using **AWS App Runner** to resolve production issues and restore service stability.
- Write and maintain **unit and integration tests** using Jest and React Testing Library, and contribute to code reviews, CI/CD workflows, technical documentation, and cross-functional engineering discussions.

Software Engineering Intern Feb 2024 – Jul 2025

Everest Engineering

- Developed backend and full-stack applications using Node.js, JavaScript, TypeScript, React, PostgreSQL, and REST APIs.
- Implemented database-driven application workflows using PostgreSQL and MongoDB, including schema design, queries, transactions, indexing, and business logic.
- Tested application and API workflows, reproduced defects, debugged failures, and implemented fixes to improve application correctness and maintainability.
- Worked with Docker, AWS infrastructure, Jenkins, CI/CD pipelines, automated testing, and deployment workflows to support software releases and maintenance.
- Collaborated with senior engineers in code reviews, technical discussions, and Agile development to deliver production-ready features.

Projects

QuickChat | *Node.js, PostgreSQL, Socket.IO, REST APIs, Docker*

- Built a real-time messaging application using Node.js and Socket.IO with low-latency message delivery and unread-state management.
- Designed PostgreSQL schemas and REST APIs for users, conversations, messages, and user-state management, using relational mappings and indexing.

Education

Rajiv Gandhi University of Knowledge Technologies Basar, India
B.Tech in Computer Science | CGPA: 8.5 *2020 – 2024*
Indian Institute of Technology Madras India
B.Sc in Data Science and Applications | CGPA: 7.0 *2021 – 2025*

Certifications

AWS Certified AI Practitioner | Score: 933/1000 | Microsoft Azure Data Fundamentals | Score: 883/1000