Sai Nikhitha Madireddy

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SUMMARY

Full-Stack Software Engineer (3+ years) specializing in scalable, data-driven web applications using Node.js, ReactJS, and Python. Proven record of building cloud-native and microservice architectures on Azure, improving system performance, maintainability, and deployment speed by 30–60%. Skilled in API design, CI/CD automation, and cross-functional Agile collaboration for enterprise-grade software delivery.

EXPERIENCE

Community Dreams Foundation Aug 2025 - Present
Software Engineer *Sebring, FL*

- Architected and Deployed modular services in Java and Node.js, reducing system latency by 35% and improving maintainability.
- Led Agile sprints and collaborated with cross-functional teams to define requirements, cutting change requests by 20%.
- Automated debugging and upgrade pipelines, lowering production downtime by 25% and improving release stability.
- Integrated user feedback loops into release cycles, increasing post-deployment feature adoption by 15%.

California State University, Los Angeles Aug 2023 - May 2025
Software Engineer *Los Angeles, CA*

- Optimized ServiceNow workflows and internal web apps, improving IT ticket resolution time by 40%.
- Built and deployed CI/CD pipelines and automated testing frameworks, cutting manual deployment errors by 60%.
- Implemented API-level security, system monitoring, and 99.9% uptime, ensuring compliance with campus standards.
- Collaborated with academic departments to streamline tech solutions supporting 10,000+ student and faculty interactions.

Tata Consultancy Services Aug 2022 - Aug 2023
Systems Engineer *Remote*

- Developed and launched a web platform (Node.js + PostgreSQL + Azure) serving 500+ daily users with 99.9% uptime.
- Optimized SQL queries and database schema, improving data retrieval performance by 30% and enhancing backend scalability.
- Implemented automated CI/CD pipelines in Azure DevOps, increasing deployment efficiency by 50% and reducing errors.
- Partnered with UI/UX teams to refine product interfaces, achieving a 10% increase in user engagement.

EPAM Systems Jan 2022 - June 2022
Junior Software Engineer *Remote*

- Developed and optimized backend APIs using Python and Node.js, improving data throughput by 20%.
- Redesigned MySQL schema and indexing for better performance and scalability during product growth.
- Utilized Agile and Git-based workflows for iterative delivery, ensuring version integrity and fast feature rollouts.

Virtusa Consulting Services Aug 2021 - Dec 2021
Software Engineer *Remote*

- Developed and deployed RESTful services using Python and Java for enterprise analytics dashboards.
- Led debugging and performance optimization sessions, cutting load times by 35%.
- Enhanced CI/CD and deployment process to improve integration efficiency across microservices.
- Conducted code reviews and maintained detailed documentation, ensuring knowledge continuity across sprints.

TECHNICAL SKILLS

Languages & Frameworks: Python, Java, C#, JavaScript, TypeScript, C, C++, ReactJS, AngularJS, NextJS, Node.js, Express.js
Databases & Web Technologies: PostgreSQL, MySQL, MongoDB, HTML, CSS, GraphQL, REST, Vite, Bootstrap, Tailwind, Postman
Machine Learning Tools: TensorFlow, Pandas, NumPy, Scikit-learn, OpenCV, Recommendation Systems
Cloud, DevOps & Tools: Azure, Git, VSCode, Windows, Linux, Microsoft Office, Google Suite, Vercel

EDUCATION

CALIFORNIA STATE UNIVERSITY **Los Angeles, CA, USA**
MS in Computer Science (GPA: 3.84) Aug 2023 - May 2025

- Honors & Achievements: Special Recognition for graduating in the Top 10% of the program.

PROJECTS

Meal Planner Application | *Node.js, Express.js, MongoDB, Svelte.js, Spoonacular API*

- Built a meal-planning app with secure RESTful services and improving user engagement via real-time recipe suggestions.

Chat Mentor | *Node.js, Express.js, PostgreSQL, OpenAI API*

- Developed an AI-driven mentor platform delivering personalized and interview feedback using GPT-based response systems.

Virtual Trial Room | *Python, OpenCV, PyTorch, TensorFlow*

- Created an ML-powered virtual try-on system enabling real-time clothing overlay and interactive AR-based visualization.