Vaishnavi Reddy

Boston, MA, United States | ✉ vaishu17sai@gmail.com | ✆ 7087743034 | www.linkedin.com/in/vaishnavi-r17

Summary

Experienced Full Stack Developer with 3+ years in application design, development, and cloud management. Skilled in front-end and back-end technologies, clean code, test automation, and continuous improvement.

SKILL SETS AND TOOLS

AWS, Azure, HTML, CSS, JavaScript, React, Node.js, SQL, NOSQL, PostgreSQL, Python, Django, Bash, RESTful API'S, GitHub, Git, ETL, Agile Methodology, SDLC.

Fast Learner, Technology Curious, Adaptive User, Automation Focused, Team Player, Communication Skills, Collaboration.

PROFESSIONAL EXPERIENCE

Vitosha INC, Pennsylvania
Full Stack Software Developer   *April 2022-Present*

- Developed high-performance web applications using Python (Django) backend and React frontend, increasing user engagement by 40%.
- Utilized Relational databases MySQL and NoSQL, creating stored procedures and functions for different data.
- Participated in Agile SCRUM methodology, developed a website with interactive UI, resulting in a 40% increase in sales revenue, and optimized the website to reduce server load by 25%.
- Created and optimized ETL tools using Python and SQL, reducing data managing time by 40%, which enhanced database performance and ensured seamless data flow across multiple platforms.
- Integrated AWS Lambda functions with other AWS services (e.g., S3, DynamoDB, API Gateway) to create seamless workflows.
- Implemented automated backup and recovery solutions for EC2 instances, ensuring data integrity and availability.

Proxforce, India
Software Engineer   *December 2020-December 2021*

- Constructed a user-friendly interface through the enhancement of the application front end with HTML forms and Spring MVC controllers.
- Ensured efficient debugging and issue resolution by generating precise log files, reducing troubleshooting time by 50%.
- Improved project delivery time by 30% through the implementation of an Agile sprint system for task management and Integrated Apollo Graph QL to optimize data fetching and management.
- Engineered scalable backend systems with Node.js and MongoDB, leading to a 30% increase in data processing and handling of over 2 million transactions. Delivered a robust software solution by implementing software engineering principles, resulting in a 30% reduction in processing time using Python and SQL over a 6-month project duration.
- Optimized Postgres database performance by 35% through the implementation of advanced indexing, vacuuming strategies, and query optimization, leading to reduced query response times and enhanced application efficiency.

ACADEMIC PROJECT

New England College   *October 2022-April 2023*

- Utilized APIs and IoT devices to gather real-time traffic data from city traffic cameras, sensors, and other data sources processing over 1 million data.
- Designed a user-friendly web interface using Flask for traffic authorities to interact.
- Applied machine learning algorithms to identify traffic patterns, predict congestion, and suggest optimal routes.
- Reduced average commute times by 15% by optimizing traffic signal timings based on real-time data.

EDUCATION

Master of Science in Computer and Information Sciences
New England College Henniker, NH   *Graduated: May 2023*
Bachelor of Technology
MREC Hyderabad, India   *Graduated: July 2021*