Shivank Prajapati

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SUMMARY

Experienced Backend Engineer at Motherson Technology Service Limited with proficiency in C#, PostgreSQL, and JavaScript developing and optimizing robust backend systems and applications.

EXPERIENCE

Backend Engineer
Motherson Technology Service Limited   September 2023 - March 2024, Noida, Uttar Pradesh

· Engineered a robust API processing over 500 transactions per minute, contributing to a 15% increase in backend efficiency and supporting the scalability of the company's flagship products.
· Significant feature implementations or enhancements directly impacting user experience or business metrics.
· 20% increase in system performance or efficiency due to architectural improvements.
· 5 successful deployments of architecture changes with minimal downtime or disruptions.
· Average time taken from receiving requirements to having a well-understood user story within the agile team.
· Assess improvement in code quality metrics as a result of review feedback.

PROJECTS

Stress Classifier Project
Personal Project · January 2022 - April 2022
· Developed a machine learning-based stress classifier using 20 pre-defined physiological data analysis.
· Integrated live video analysis and a user-friendly GUI with PYsimpleGUI.
· Engineered backend processes for efficient data handling for over 100 of data scrappers and real-time classification.
· Collaborated with frontend developers for seamless integration.
· Deployed the system for real-world stress assessment and management.

Automated Machine Operation Monitoring System
Pryaas Chemical Factory, Modinagar · July 2020 - November 2020
· Led a team of 2 members, overseeing project development and implementation.
· Developed an Arduino/NodeMCU based detector to monitor 10 machine operations, detecting power on/off instances and alerting 10 workers if machines ran beyond specified durations.
· Integrated data logging functionality to collect daily/weekly machine operation data.
· Established communication with weekly manager through Google Sheets API for real-time data reporting.
· Successfully deployed the solution in the factory environment, enhancing operational efficiency and worker safety.

SKILLS

C/C++, Python, JAVA, Javascript, HTML,CSS, .Net Core, Postgresql, SQL server, Data Science. Apache Spark, Machine Learning, AI, React, Node.js

EDUCATION

Bachelor of Technology in Computer Science
Jaypee University of Information Technology · Solan, Himachal Pradesh · 2023 · 7.8
· Led a team of four members to secure the runner-up position in a prestigious hackathon fest.
· Coordinated team efforts and facilitated effective communication to achieve project goals.
· Demonstrated leadership by guiding team members through ideation, development, and presentation stages.

CERTIFICATIONS

C#
Solo Learn · 2018
· Demonstrates mastery of C# programming language, crucial for backend development.