ARAVIND G

Backend Developer

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Summary

Experienced Backend Software Developer with a strong focus on web application development. Proficient in NodeJS, JavaScript, C#, Python, and SQL. Currently working on IoT RFID solutions and backend services at 2CQR Automation Private Limited, where I handle NodeJS API development, MySQL stored procedures, and RFID reader integration.

Education

Master of Computers Application CGPA: 8.0

Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore.
Aug, 2022 - May, 2024

Bachelor of Computer Science - CGPA: 7.46

Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore.
Aug, 2019 - May, 2022

Technical Skills

C#, Python, Node Js, Github, HTML5, CSS, SQL, IoT RFID, Microsoft Office

Soft Skills

Creativity, Problem-solving, Communication, Time management

Additional Skills

Database Management, API Development, Version Control, Problem-Solving

Languages

English, Tamil

Work Experience

2CQR Automation Private Limited, Coimbatore   Dec, 2022 - Aug, 2024
Software Developer
Working as a Software Developer involved in the development of IoT RFID and backend solutions using NodeJS API and MySQL stored procedures.

- Developed and maintained backend solutions using NodeJS API and MySQL stored procedures.
- Integrated RFID readers for IoT solutions.
- Handled complete feature development and enhancement as an individual contributor.
- Implemented best practices in coding and company cultures.
- Trained and worked on C#, ASP.Net framework 4.5, and SQL Server.
- Optimized application performance through code refactoring and database query improvements.

2CQR Automation Private Limited, Coimbatore   Jul, 2022 - Dec, 2022
.NET Developer Intern
Completed a successful 6-month internship as a .NET Developer, contributing to impactful solutions and gaining hands-on experience.

- Contributed to the development of web application solutions.
- Focused on continual learning and staying updated with emerging technologies.
- Worked on various tasks involving Node JS, JavaScript, C#, Python, and SQL.

Projects

Bitcoin Mining Setup using Raspberry Pi and Kali Linux. (UG Project))   Jan, 2022 - Apr, 2022

Developed a low-cost Bitcoin mining system using Raspberry Pi and open-source software. The project explored the feasibility of mining cryptocurrencies with energy-efficient hardware.

- Technologies Used: Raspberry Pi, Kali Linux, Python
- Configured the Raspberry Pi for optimal performance.
- Implemented the Bitcoin mining software on Kali Linux.
- Analyzed the mining performance and adjusted configurations to maximize efficiency.

IoT-Based Smart Library System using RFID (2CQR Project)   Jan, 2023 - May, 2023

Developed a smart library system using RFID and IoT technology to automate book check-in and check-out processes. The system allows real-

Certifications

- Chatgpt for Everyone
- Programming Using Python
- Game development using PyGame
- NCC - B, C Certificates.

time monitoring of book inventory and patron transactions. Integrated with SQL Server for backend data storage.

- Technologies Used: C#, ASP.NET, SQL Server, RFID, IoT
- Designed the user interface using C# and ASP.NET.
- Integrated RFID readers for real-time tracking of book movements.
- Created SQL Server databases to store book and patron information.
- Optimized the backend to improve transaction speed and accuracy.

Library Fine Collection Kiosk Software Using RFID and Razor Payment Gateway (2CQR Project)

Aug, 2023 - Dec, 2023

Developed a desktop application to automate library fine collection using RFID technology. Integrated Razor payment gateway for seamless payment processing. The system provides a user-friendly kiosk interface for patrons to check and pay fines.

- Technologies Used: C#, .NET, RFID, Razor Payment Gateway, MSSQL
- Designed and developed the desktop form application using C# and .NET.
- Integrated RFID to track books and user data for fine calculation.
- Implemented the Razor payment gateway for secure, real-time fine payments.
- Managed data storage and retrieval with MSSQL for fine transactions and user details.
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Stock Control Inventory Management Application Using RFID (2CQR Project)

Jan, 2024 - May, 2024

Contributed to the development of an inventory management application for 2CQR, using RFID to track and manage stock levels in real-time. Worked on backend API development and stored procedures for handling inventory data and reporting.

- Technologies Used: C#, ASP.NET, RFID, MSSQL, REST API
- Developed and maintained backend REST APIs for inventory management operations.
- Worked on MSSQL stored procedures for efficient data retrieval and manipulation.
- Integrated RFID technology to automate stock control and inventory tracking.
- Optimized database queries to enhance performance and reduce response times.