

RAJEEV RANJAN PRAJAPATI

Master of Computer Application (MCA) @ NIT, Calicut

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SOFTWARE DEVELOPMENT ENGINEER ~ 2+ YEARS OF EXPERIENCE

Software Development || Algorithms || Data Structures || Object-Oriented Programming (OOP) || Web Development || Full Stack Development || Application Development || CI/CD || Database Management

Aspiring Software Developer (Full-stack) with a passion for building robust, scalable, and high-performance software systems. Proficient in advanced backend development, system design, and a wide range of technologies and concepts including message queues, proxies, load balancers, databases, and DevOps practices.

TECHNICAL SKILLS

- Programming Languages:** JavaScript, C#, TypeScript
- Frameworks:** NodeJS, ASP Dot Net, Angular, React
- Web Technologies:** HTML, CSS, JavaScript, JQuery, React
- Databases:** SQL,MySQL, MongoDB,Oracle,Azure CosmosDB
- APIs and Web Services:** RESTful, SOAP, JSON, XML
- Development Tools:** Visual Studio IDE, Git, Postman
- Build and Deployment:** Docker
- Distributed Systems:** Microservices Architecture
- Methodologies:** Agile (Scrum, Kanba)

EDUCATION

Master of Computer Application (MCA) | National Institute of Technology, Calicut 2022

- Member of Competitive Programming Hub (CPHUB), Member of the Indian Society for Technical Education (ISTE), Elected Captain of Cricket Team (Department of Computer Science), Member of Adventure Club

Bachelor of Computer Application (BCA) | Magadh University 2018

WORK EXPERIENCE

Junior Web Developer I at Software Associates, Calicut. Sept 2022– Present

Project 3 - Fullstack Development (Angular, NodeJS, MySQL):

- Led the user interface enhancement, significantly improving overall customer satisfaction by 20% through intuitive design.
- Implemented a series of performance optimisations, resulting in a 30% reduction in load times, enhancing the user experience.
- Collaborated closely with cross-functional teams, including design, QA, and product management, to deliver project milestones ahead of schedule, achieving 10% acceleration in project timelines and contributing to faster time-to-market.

Project 2 - Fullstack Development (ASP.NET, Cosmos DB):

- Frontend:** Implemented responsive design techniques using modern CSS frameworks, leading to a 25% improvement in user engagement. Conducted in-depth front-end performance audits and applied optimisations, reducing page load times by 15%.
- Backend:** Developed robust server-side logic in C# and ASP.NET, enhancing system efficiency by 40% through optimized code structure. Integrated various third-party APIs and services to extend functionality and improve backend processing capabilities.

Project 1 - API Development and Unit Testing:

- Achieved a 30% reduction in API response times through targeted performance optimizations, including query optimization and efficient data handling techniques.
- Implemented unit test cases using JUnit, increasing code coverage by 20% and ensuring code reliability and maintainability.
- Conducted code reviews and continuous integration practices to maintain high standards of code quality and operational stability.

Software Engineer Intern at Software Associates, Calicut. Jun. 2022 – Sept. 2022

- Ensured software compliance with project requirements, achieving a 95% success rate in meeting specifications by rigorous testing Efficiently managed
- collaboration with cross-functional teams using GIT, reducing code conflicts by 30% and streamlining the version control process through effective branching and merging strategies.

PROJECTS HANDLED

FleetAnalytix | Comprehensive Fleet Management System

- Scope:** The project involves developing a comprehensive Device Management and Monitoring System. This system allows customers to filter alerts by device name or ID, download device lists, and view consolidated statuses for paired devices. Additionally, it includes features for viewing the stock forecast for devices and accessing detailed device information. The project will also leverage the Serverless Framework to implement a Lambda function for uploading image files to an S3 bucket with size validation and a scheduled Lambda function to send the latest uploaded image to a configured email address every hour using AWS SES.
- Responsibilities:** As a Full Stack Developer, I was responsible for designing and implementing the Device Management and Monitoring System's core functionalities. My role included developing the front-end interface for device listing and detailed views, integrating back-end services for real-time data aggregation and alert filtering, and ensuring smooth data downloads for customers. I also created and deployed serverless functions using AWS Lambda, managed S3 buckets for file storage, and configured AWS SES for automated email notifications. Additionally, I oversaw the project from requirements gathering and estimation through development, QA, client UAT, and project closure, ensuring a seamless transition into the maintenance phase.

Little Rippers | EcoWaste Smart Dispenser System

- Scope:** Develop a custom web application to replace the existing Azure Central system, addressing user and organization count limitations, and incorporating essential features like device management, telemetry data integration, user and organization management,event management, alerts, and maps view.
- Responsibilities:** Ensure the timely delivery of the project while maintaining alignment with client expectations by managing resources and effective communication. Develop the web application with the specified features, ensuring seamless front-end and back-end integration for a robust user experience. Facilitate data transfer from the Azure IoT Hub, ensuring data integrity and real-time access. Conduct thorough testing to identify and resolve any issues, followed by the deployment of the application. Provide ongoing support and maintenance, including regular updates and enhancements. Additionally, train administrators and end-users to effectively utilize the new system.