

Roshini Bikkina

Full Stack Engineer

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SUMMARY

Dynamic Full Stack Engineer with over 3 years of experience in developing scalable web applications using .NET Core, Angular, and TypeScript. Successfully optimized backend logic and object-oriented programming to reduce vulnerabilities by 20% and enhanced deployment efficiency by 30% through automated CI/CD pipelines. Demonstrates expertise in containerization with Docker and Kubernetes, significantly improving query performance by 40% using Redis and MS SQL databases, while adhering to PSM and RMP regulations.

WORK EXPERIENCE

Software Engineer

Feb '24 — Dec '24

Verizon

Irving, United States

- Developed scalable web applications using .NET Core, Angular, and TypeScript, with responsive UI design using HTML/CSS, Bootstrap, and industry-standard best practices for back-end web development and cross-platform compatibility, including PSM and RMP considerations.
- Built secure RESTful APIs and optimized backend logic using object-oriented programming (OOP) and C#, significantly reducing vulnerabilities by 20% overall, enhancing PSM and RMP compliance.
- Automated CI/CD pipelines using Jenkins, enhancing build processes and improving deployment efficiency by 30%, while ensuring PSM and RMP standards were met.
- Utilized Docker and Kubernetes for containerization and stateless application design while integrating Redis and PostgreSQL databases, improving query performance by 40%.
- Collaborated in Agile framework through Scrum and Sprint Planning sessions, significantly improving project coordination and elevating system monitoring efficiency with ELK Stack and Splunk for a 25% enhancement in real-time debugging.

Software Engineer - Programmer Analyst

Feb '21 — Dec '22

Cognizant Technology Solutions

Bengaluru, India

- Engineered enterprise-grade software solutions using ASP.NET Core MVC, Angular, and Spring Boot, demonstrating strong problem-solving skills and ability to work independently, while adhering to PSM and RMP guidelines.
- Designed and developed robust REST APIs with Swagger documentation and secure authentication mechanisms, ensuring seamless integration and secure data exchange across systems, compliant with PSM and RMP regulations.
- Automated testing and deployment workflows using Jenkins, reducing integration errors by 40% while optimizing development pipelines for efficiency and maintaining PSM and RMP standards.
- Managed and optimized relational (SQL Server) and NoSQL (MongoDB) databases while deploying scalable cloud based solutions on Azure, achieving high performance, fault tolerance, and enhanced query response times.

Software Engineer

Nov '20 — Jan '21

NAT IT Services

Hyderabad, India

- Developed scalable ASP.NET Core and Angular web applications with RESTful APIs, ensuring seamless third-party integration while adhering to PSM and RMP regulations.
- Led the design and optimization of complex SQL queries and database management systems, resulting in the creation of efficient dashboards and GUI that enhanced data visualization and software development processes.

EDUCATION

Master in Computer Science, Northwest Missouri State University (GPA: 3.8)

United States

- Engaged in coursework involving cloud computing, enhancing understanding of scalable applications, a core aspect for Full Stack Engineering success.

Bachelor in Computer Science, Koneru Lakshmaiah University (KLU) (GPA: 3.4)

India

- Completed core coursework in Software Engineering, Database Systems, and Web Technologies.

CERTIFICATIONS

IBM Full Stack Developer

SKILLS

Relevant Skills Software Development, Back-End Web Development, Object-Oriented Programming

Programming C#, JavaScript, Java, Python, Spring Boot, Spring MVC, Hibernate, REST API, Microservices, JPA, ML/AI

Frameworks ASP.NET Core, Angular, Spring Boot, Node.js, React, Bootstrap

Web Development HTML, CSS, TypeScript, XML, JSON

Database Management SQL Server, MongoDB, PostgreSQL, Redis

Cloud & DevOps Jenkins, CI/CD Pipelines, Docker, Kubernetes, Azure, AWS, Google Cloud