PRASHANTH POLAPELLY

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PROFESSIONAL SUMMARY

Over 3 years of experience in designing, developing, and managing software applications, specializing in enterprise solutions and cloud-based architectures. Proficient in .NET Core, C, and AWS, with expertise in creating scalable, maintainable, and high-performing systems. Strong understanding of design patterns, relational and non-relational databases, and automated testing frameworks. Experienced in leading Agile teams, collaborating with cross-functional stakeholders, and ensuring successful project delivery through the entire SDLC.

EDUCATION

Master of Science in Computer Technology, Eastern Illinois University 2023–2024
GPA: 92%

Bachelor of Technology in Mechanical Engineering, Sri Indu Institute of Engineering & Technology 2017–2021
CGPA: 6.47

TECHNICAL SKILLS

Programming Languages	C, JavaScript, TypeScript, SQL, Python
Frameworks	.NET Core, ASP.NET (MVC, Web API), NUnit, XUnit
Cloud Platforms	AWS (EC2, S3, Lambda), Azure
Databases	SQL Server, MySQL, DynamoDB, PostgreSQL
DevOps Tools	Docker, Kubernetes, Jenkins, GitHub Actions
Tools	Visual Studio, MS TFS, JIRA, Git
Design Patterns	Singleton, Factory, Repository, Dependency Injection

PROFESSIONAL EXPERIENCE

Software Engineer May 2023–Present
Credit One, Remote

- Designed and developed scalable .NET Core applications, integrating REST APIs and AWS cloud services for enterprise solutions.
- Implemented advanced design patterns (Factory, Repository) to enhance modularity and maintainability of applications.
- Built robust automated test suites using NUnit and XUnit, achieving 95% code coverage and ensuring system reliability.
- Streamlined database operations with optimized SQL queries and NoSQL implementations, improving application performance by 40%.
- Led Agile ceremonies, including sprint planning and retrospectives, to foster collaboration and iterative development.

Full Stack Developer May 2021–December 2022
Ample Logic, Hyderabad, India

- Developed full-stack solutions using Angular and .NET Core, focusing on financial and manufacturing domains.
- Migrated legacy systems to AWS, leveraging EC2, S3, and RDS to enhance scalability and reduce operational costs by 20%.
- Conducted code reviews and implemented CI/CD pipelines using Jenkins and Docker, ensuring smooth deployment cycles.

- Integrated dynamic, data-driven dashboards using SQL Server and SSRS, enhancing decision-making capabilities.

PROJECTS

Cloud-Based Financial Platform
Architected a secure financial application integrating .NET Core APIs and AWS Lambda for real-time data processing and analytics. Achieved a 35% improvement in transaction processing speeds.

Enterprise Manufacturing Solution
Developed a manufacturing execution system (MES) using ASP.NET Core and SQL Server. Enhanced production monitoring and operational efficiency through customized workflows and reporting.

Automated Testing Framework
Designed and implemented a reusable testing framework with NUnit and XUnit, reducing regression testing time by 50% while ensuring high-quality code delivery.

LEADERSHIP

- Guided a team of developers to implement modular, testable software solutions, adhering to industry best practices.
- Organized knowledge-sharing sessions on .NET Core and AWS, fostering continuous learning and upskilling within the team.
- Advocated Agile principles, mentoring junior team members in sprint planning, task breakdowns, and effective collaboration.

CERTIFICATIONS & AWARDS

- Microsoft Certified: Azure Developer Associate
- AWS Certified Solutions Architect – Associate
- “Employee of the Month” for exceptional contributions to a cloud migration project at Ample Logic.
- Recognized for driving automated testing initiatives, improving team efficiency by 30%.