Harshita Ramesh
Software Engineer | Full Stack (.NET, C#, Python, SQL) | Backend Emgineer
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Work Authorization: Valid work permit to work in Ireland

Professional Summary

Software Integration Engineer with **2.5+ years of experience** supporting **enterprise, business-critical systems** across the full stack **software engineering lifecycle**. Proven experience in **deploying, configuring, integrating, and maintaining internal applications** using **C#, SQL Server, and web technologies** in regulated, production environments. Strong background in **system integration, troubleshooting, root cause analysis, deployment support, and cross-functional collaboration**. Comfortable working in **structured, enterprise settings**, supporting **production systems**, and delivering reliable, maintainable solutions.

Core Technical Skills

Software Development & Programming
C#, .NET Core, ASP.NET Core, Python, JavaScript, TypeScript, Java, C++, VBA, REST APIs

Databases, Accounting & Data Systems
SQL Server (SSMS), Oracle SQL, PostgreSQL, MySQL, Financial Reporting Systems, Query Optimization, Data Integrity, Expenses & Transaction Data Processing

Cloud, DevOps & Project Management
Azure Deployment (hands-on), Git, Jira (Issue Tracking), Agile/Scrum, SDLC, Test-Driven Development (TDD), Project Management Fundamentals.

Professional Experience

Junior Software Engineer
Cognizant Technology Solutions | Jan 2023 – Apr 2024

- Delivered software development solutions for enterprise information systems supporting business operations and financial-style reporting.
- Designed and implemented full stack applications using C#, .NET Core, SQL Server, and JavaScript, improving system performance by ~50%.
- Worked closely with stakeholders to understand business requirements, translate them into technical designs, and deliver production-ready solutions.
- Migrated legacy Microsoft Access, VBA, and accounting-style data systems to modern web-based platforms, improving auditability and scalability.
- Built backend services to process expenses, transactional data, and reporting datasets with high accuracy and integrity.
- Supported regulatory and compliance-driven systems, performing production support, root cause analysis, and issue resolution.
- Collaborated in a fast-paced environment with product owners, QA, and DevOps teams using Agile, Jira, and CI/CD pipelines.
- Applied strong analytical and problem-solving skills to optimize queries, debug production issues, and improve system reliability.

Software Engineer Trainee
Cognizant Technology Solutions |Aug 2022- Jan 2023

- Completed hands-on training in .NET Core, C#, and SQL Server, gaining practical experience in full stack development.
- Assisted in building backend services for internal applications, supporting data processing and reporting workflows.
- Participated in system integration and testing, helping ensure data accuracy and reliability in enterprise systems.
- Collaborated with senior engineers to migrate legacy applications and improve maintainability of internal platforms.
- Supported Agile teams in code reviews, documentation, and deployment tasks, gaining exposure to production-ready software practices.

Software Engineer Intern
Cognizant Technology Solutions, India | Feb 2022 – Jul 2022
- Completed intensive training in Java, Spring Boot, REST APIs, and enterprise application development.
- Built and enhanced RESTful services with database integration supporting CRUD operations.
- Contributed to frontend development using HTML, CSS, JavaScript.
- Participated in Agile ceremonies, code reviews, and applied clean code principles.

Key Projects (Selected)
AI-Moderated Real-Time Chat Application (ASP.NET Core)
- Built a full stack application using ASP.NET Core, PostgreSQL, React (TypeScript), and SignalR.
- Implemented real-time communication, moderation workflows, audit logs, and role-based access.
- Designed scalable backend services aligned with compliance and reporting needs.
- Deployed in azure cloud using App service for backend and azure postgresql-flexible for database.

Web Application Modernization – Enterprise Systems
- Contributed across backend (.NET Core, Python, SQL Server) and frontend (JavaScript, HTML/CSS).
- Focused on system reliability, performance optimization, and maintainability.

Exercise Monitoring Application (Computer Vision)
- Developed a real-time pose-estimation system using Kotlin and MediaPipe BlazePose.
- Achieved >95% accuracy in rep detection, showcasing analytical thinking and performance tuning.

AI-Powered Email Automation Workflow
- Built an automation pipeline using Python, APIs, and workflow orchestration, reducing manual processing through human-in-the-loop design.

Education
Master of Engineering (MEng) – Computer Vision & Artificial Intelligence
University of Limerick, Ireland | 2024 – 2025
QCA: 3.2 / 4.0
Relevant Coursework: Computer Science Foundations, Analytics, Software Engineering, Information Technology Systems

Bachelor of Technology – Electronics & Communication Engineering
St. Joseph's Institute of Technology | 2018 – 2022
CGPA: 8.48 / 10

Certifications
- AWS Cloud Practitioner Essentials – AWS
- Foundation C# with Microsoft
- NLP with Python – Udemy
- Python Django – Udemy

Keywords for Optimization from my skills:
Software Integration Engineer, System Integration, Enterprise Systems, C#, SQL, Databases, Deployment, Configuration, Root Cause Analysis, Troubleshooting, Internal Applications, Object-Oriented Programming, Agile, Automated Testing, Software Development Lifecycle, Production Support, Data Integration, Web Applications, Engineering, Azure.