

ROSHAN LOUHAR [FULL STACK ENGINEER]

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PROFESSIONAL PROFILE

I am a certified Microsoft developer, full stack app dev who has **11+ years** of experience in designing, developing and delivering distributed and scalable solutions on Azure for varied domains like Media Streaming, Healthcare System, E-commerce, Banking, payroll management, E-learning and Enterprise digitalization.

I have strong expertise in AI driven development using GitHub copilot in backend and frontend technologies, object-oriented concepts, TDD, database engineering, software architecture, system design, SOLID principles, design patterns, security principles, Azure cloud services, and Agile methodology.

Extensive knowledge in developing reusable/Innovative library and framework solutions. I actively contribute to design reviews, user story estimations, sprint planning, code reviews, and quality standards checks. Additionally, I mentor team members and intern hires, significantly contributing to the team's success.

I am actively seeking **software engineering (Senior/Staff)** and **Technical Architect** roles to leverage my expertise.

EXPERTISE/SKILLSET

Technical Expertise: C#, .Net core, .NET 8, React, JavaScript, OOP, Rest API, SQL, EF, Linq, Redux, MVC, Typescript, HTML, CSS, jQuery, SQL, NoSQL, Unit Testing (nUnit & xUnit), VS code, Visual Studio, SonarQube, Azure DevOps, CI/CD pipelines, GitHub copilot, Bootstrap, Material UI, MySQL server, ARM template, Terraform, YAML.

Methodology: Micro-services, Cloud- Design Patterns, SOLID Principles, Agile Development, Cloud Migration & modernization, TDD, Containerization, Cloud Development, Authentication and Authorization, CQRS, Database performance, Code Quality, Performance improvement, System Design (HLD & LLD) Data Structures & Algorithms, Problem solving, responsive design.

Cloud Services: APIM, Azure function & durable orchestration, Web Apps, App Config / Key Vault, Data Factory, Data Explorer & warehouse, SQL Databases, Cosmos DB, Redis cache, Storage Services, Event streaming services, SignalR, Docker services.

Secondary skills/Learning: Azure Open AI service, Azure Agentic Service, GitHub services, Azure Kubernetes, React Native

EXPERIENCE

MICROSOFT, Hyderabad, IN (Jan 2018 – Present)

Consultant (*Azure PaaS, .Net Core, .Net8, LINQ, EF, ReactJS, Azure DevOps, ADX, TDD, REDUX, SRE*)

CONSULTANT (Full Stack Engineer) with Microsoft, I'm responsible for designing, developing and delivering E2E solutions for Microsoft's enterprise customers. My areas of expertise include DevOps, Azure, distributed system design, .NET and ReactJS.

- Collaborated with architects and customers on high-level and low-level system designs and requirement gathering sessions and performed comprehensive estimation analysis and accurate resource planning.
- Configured the DevOps pipeline for continuous build and deployment, integrating code quality checks using SonarQube.
- Developed multiple reusable libraries and frameworks for Azure services and tools, significantly reducing time and effort in setting up baseline projects.
- Proficient in Site Reliability Engineering (SRE) tasks, including identifying user journeys and defining Service Level Indicators (SLIs) and Service Level Objectives (SLOs).
- Facilitated the onboarding process by supporting and mentoring internal team members and partner resources.
- Contributed at Org level / project level hiring resource for junior and mid-level.
- Actively contributed in technical and architecture groups on different topics.

VIRTUSA, Gurgaon, IN (Aug 2016 – Jan 2018)

Associate Consultant (*.Net, ReactJS, DevOps Using Jenkins & TeamCity, EF, LINQ, Caching, Unit Testing*)

Served as a **Consultant** on a banking pricing and decision-making tool project, utilizing agile methodology. Automated the build and deployment processes using Jenkins and TeamCity, significantly reducing deployment time and enhancing system reliability.

- I actively participated in requirement gathering sessions with analysts and clients during daily standups and sprint retrospective meetings.
- Conducted system analysis and resolved existing bugs while developing new features for the pricing application.
- Configured continuous integration and deployment pipelines in TeamCity to streamline the development process.

CLAVAX LLC, Gurgaon, IN (Nov 2015 – July 2016)

Senior Associate Programmer (*Azure PaaS, ASP.Net MVC, EF, LINQ, Caching, AngularJS, Jira, GitLab*)

Worked as a programmer on an e-commerce platform, leveraging Microsoft technologies and Azure cloud services to achieve substantial enhancements in website performance.

- Upgraded the ASP.NET WinForms to MVC with Angular and migrated the database from on premises to Azure cloud.
- Created windows app using selenium library to purchase (track Orders) books from external sources (Amazon, eBay, and Goodreads) which updates the stock, reducing manual effort.
- Integrated the PayPal and Cyber credit API for verifying credit card information for Online Payment.
- Implemented workflows using web Job and Data factory to reduce data processing time and automated the process.

E-CONNECT SOLUTION PVT LTD, Udaipur, IN (July 2014 – Oct 2018)

Software Developer (*EF, LINQ, ADO.NET, ASP.NET MVC, Web Forms, SQL Server, jQuery, JavaScript*)

Contributed to the digital transformation of state government projects as a member of the web development team, focusing on project baselining and architecture setup.

- Developed the business tier and data access layer design for multiple web applications from scratch, enhancing system architecture and performance.
- Implemented a user management system for a reusable role/rights library, improving access control and security.
- Created a JavaScript validation library, exception handling mechanisms, and SMTP utility, increasing code efficiency and reliability.
- Developed custom search controls to reduce time and effort across applications, streamlining the development process.
- Prepared comprehensive project specification documents for project releases, ensuring clear communication and alignment with stakeholders.

RECENT PROJECT

Media Streaming platforms: Build the portal for managing all the Basketball games streaming, automated the game orchestrations and live scorecard information if there is any device failure in games and troubleshoot the system.

National Health Service (NHS)UK: This system manages patient PII data and generates the risk of surgery data. Suggest the critical SURGERY {knee/hip surgery} and risk related data using azure machine learning services. This involved creating a web interface for surgeons and clerical users to assess risks and manage daily activities. led a team of 4 developers for 9 sprints to build the AI-based prediction system.

Commercial Banking Solutions: Stored bank product rates and customer information prior to implementation. Provided real-time product suggestions based on customer interests.

E-commerce platform/Warehouse Management: E-commerce platform for selling books online and managing the warehouse of books from different sources. The backend contains an online automated script that checks and buys books from sources like Amazon, eBay, Valore, and AbeBooks using Selenium scripts and updates the warehouse. It also tracks all the order information.

State Govt ERP portal: System to manage HR and payroll information, EOS system, attendance, WPS, loan, land management and complain management and handling large scale of user and role management.

E-Learning Portal: Cloud-based E-Learning Management System supporting four user levels (ADMIN, CUSTOMER, INSTRUCTOR, USER/Student). develop UI, built databases, and implemented user management modules.

CERTIFICATIONS

GHCP CERTIFIED DEVELOPER | MICROSOFT AI ENGINEER ASSOCIATE | MICROSOFT AZURE ADMINISTRATOR
ASSOCIATE | AZURE DEVELOPER ASSOCIATE | MCSA: WEB APPLICATIONS | MCSA: CLOUD PLATFORM

EDUCATION

B.TECH in CSE [70 %] From GEETANJALI INSTITUTE OF TECHINCAL STUDY (RAJASTHAN TECHNICAL UNIVERSITY)

ACHIEVEMENT

BEST PROJECT CONSULTANT AT MICROSOFT | BEST CONSULTANT AT VIRTUSA | SPOT AWARD AT VIRTUSA