

Shashanka Sarma Vithala

Bengaluru, Karnataka

8977018826

Vithala17@gmail.com ; [Digital profile](#) ; [LinkedIn](#) ;

With 12 years in .Net Core, Python; I specialize in designing architectures, developing and deploying microservices on Azure. My expertise includes Azure based AI frameworks, SQL, NoSQL databases and leveraging Docker and Kubernetes for efficient containerization. Skilled in DevOps practices like Terraform for infrastructure automation and CI/CD for streamlined deployment, I focus on creating scalable, high-performance applications that are secure and reliable. My work in AI, cloud architecture and automation aligns with business goals to enhance operational efficiency and deliver resilient solutions.

PROFESSIONAL EXPERIENCE

Shell Senior Software Engineer	Bengaluru, KA August 2023–Present
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- Achieved **ISC2's** [certification in cyber security CC](#).
- Built a customer facing AI chat bot using Microsoft's Agent Framework (MAF) to ease work load on station support staff. This involves RAG AI models using private document repositories, integration with different external tools for ticket creation and human agent hand-off across various markets.
- Worked to ensure AI application follow GDPR guidelines while using PII data across various countries.
- Implemented data security and content safety measures, practices on Microsoft's Azure AI Foundry while developing AI based applications.
- Enhanced a test suite built in python to handle integration tests for microservices that enable customer payment using various payment methods.
- Enhanced inventory stock reporting platform built on .Net 8 using microservices.
- Integrated customer feedback platforms like Qualtrics into in house product platform.
- Worked on Microservices that enable dynamic fuel pricing global markets.
- Designed a solution for 'Managed Identity' implementation to eliminate the usage of passwords and enhance ease of access and security for the databases.
- Designed, developed complex modules like structured pricing, SharePoint integration into reporting modules.
- Helped in upgrading microservices to .net 8 from .net 6.

Harman Connected Services Lead Engineer	Bengaluru, KA August 2021–July 2023
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- Lead a team of 4 developers (including self) and 2 QAs.
- Completed **Az900** certification.
- Helped designing, developing, deploying complex systems based in telecom domain, gaming domain.
- Modernized application by migrating direct linking libraries to NuGet storage using Azure Artifacts. This eased module development and deployment. This effort was recognized in R&R.
- Used Terraform to achieve Iaas.
- Worked on project based on "Project delivery management" theme to implement many complex requirements like integration with ADO, claim based native authN-authZ system involving local SQL database and Redis cache only
- Introduced and used docker and Kubernetes extensively to enable scalable and containerized deployments.
- Received recognition for contribution to the product during quarterly summit.

S&P Global
Senior Software Engineer

Hyderabad, TG
August 2019–August 2021

- Worked on migration from VSTS to Azure Devops by writing YAML pipelines for build, release management.
- Helped the team on data ingestion pipelines built in .Net 4.5 involving Kafka broker service, Rabbit MQ, OData services.
- Worked on UI involving React framework and Micro-Front Ends.

Rythmos Incorporation
Consultant

Hyderabad, TG
June 2018–June 2019

- Worked a complex SEDA application that generates “MSDN style” technical documentation from code metadata received from Roslyn compiler.
- This documentation must be version controlled. We used MongoDB to maintain history and logs of the source code.
- We did sharding on the database for easier access.
- This project involved .Net core, Azure, Microservices, Choreographer pattern.

Altura Consulting
Consultant

Hyderabad, TG
July 2017–April 2018

- Worked on SAP’s Business one implementation for various clients in .net 3.5.
- Worked on Crystal reports with SQL server as data source.
- SAP Hana was one of the databases that we used here.

HCL Technologies
Consultant

Hyderabad, TG
July 2014–June 2017

- Worked on a game marketing application involving HTML, CSS, Asp.Net, SQL DB

EDUCATION

Centre for Development in Advanced Computing
Bachelors in Engineering (Computer Science and Engineering)

Bengaluru, KA
May 2014

SIR C.R. REDDY COLLEGE OF ENGINEERING
Affiliated to Andhra university
Bachelors in Engineering (Computer Science and Engineering)

Eluru, AP
May 2013

SKILLS

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|------------------------------|-------------------------|-----------------------------------|
| • Python | • Azure AI Foundry | • C# |
| • .Net core | • Azure WAF, Front door | • PostGre SQL |
| • Microsoft Agent Framework | • Azure Storage | • MS SQL |
| • Azure Compute | • Azure DevOps | • Docker |
| • Azure Kubernetes Service | • Azure Identity | • Azure Management and Governance |
| • Azure serverless computing | • AWS | • React |