

SANTOSH R IYENGAR

SOFTWARE ENGINEER

CONTACT

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EDUCATION

BACHELOR OF SCIENCE, MATHEMATICS

Madras University

SKILLS

Proficient in AWS Solutions
Experience in .NET Core &
Microservices architecture.
C#, JavaScript, Python, SQL
Kafka, SQS.
Angular
Proficient in DDD, CQRS
EF Core & LINQ
SQL, Postgres
Docker, K8s, EKS, Helm Chart
Circle-CI, Terraform

Experienced Software Engineer specializing in .NET Core and microservices. Expert in designing scalable, high-performance applications with a focus on modern design patterns. Skilled in cloud technologies like AWS RDS, DynamoDB, and Kubernetes (EKS) with experience in automating infrastructure with Terraform and CI/CD with CircleCI and Helm charts. Committed to teamwork, mentoring, and continuous improvement in software practices, ensuring the delivery of high-quality, reliable solutions.

ROCKET COMPANIES — SOFTWARE ENGINEER

JAN 2024 - PRESENT

- Developed and maintained .NET Core applications, including high-performance minimal APIs, and background services processing millions of Kafka messages, with SQS as a backing store.
- Utilized Istio for service mesh and KEDA for event-driven autoscaling, ensuring efficient microservices communication and resource management.
- Implemented Domain-Driven Design (DDD), Clean Architecture, and CQRS patterns across various services for high maintainability and separation of concerns.
- Managed infrastructure automation with Terraform and continuous integration/deployment with CircleCI, deploying on EKS using Helm charts.
- Support the team with POC, and the implementation of 'LangChain' and 'Machine Learning' in the application for prediction and chat implementation.

CERTIFICATIONS

Machine learning specialization

AWS Developer Associate

Developing Solutions with Microsoft
Azure

VIRTUSA PNC — SENIOR .NET DEVELOPER

SEP 2022 – DECEMBER 2023

- Design, develop, and maintain highly reliable, scalable, and performant distributed systems leveraging microservices architecture with Domain Driven Design.
- Build a Micro-App, Microservice using .NET Core, Angular, and SQL, incorporating Kafka, MongoDB, and OData/OAuth for seamless communication and data access.
- Support the team with the POC and implementation of 'Flowable BPMN & DMN' processes to automate critical business processes, reducing lead process time by one week.

VIRTUSA JPMC — PROJECT LEAD

MARCH 2020 – AUGUST 2022

- Spearheaded a high-performing team to migrate and modernize mission-critical .NET apps to a new data center.
- Mentored the team in implementing Oracle Kerberos Authentication, gMSA, OAuth for applications and APIs.
- Configured CI/CD pipeline with Jenkins, OpenShift, Sonar, Raven and Splunk.
- Implemented TDD & increased code coverage of existing apps to 75%.

COGNIZANT PAYFLEX — PROJECT LEAD

FEBRUARY 2016 – MARCH 2020

- Led a cross-functional team of 10+ developers to design and develop high-performance backend solutions for the PayFlex mobile app using C#, .NET Core, RESTful APIs, and microservice architecture.
- Implemented the co-browse feature in the PayFlex web application, reducing customer support call handling time by 20%, and increasing customer satisfaction.
- Conducted code reviews, mentored junior team members, and implemented coding best practices

COGNIZANT AETNA — ASSOCIATE PROJECTS

JAN 2010 – FEB 2016

- Reengineered existing WCF services to use Entity Framework, caching, the Singleton design pattern, and LINQ, thereby improving web applications' response time by 20%.

- Improved web application performance utilizing VS instrumentation profiling to fine-tune SQL, LINQ queries, and parallelism to improve website load time by 30%.
- Supported application framework and SQL Server upgrade of more than 45 Windows applications, Windows services, and console applications as part of ACA-2014.