

Santhosh Ganji

Senior Software Engineer

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Professional Summary

Senior Software Engineer | .NET Core | AWS Certified | Cloud-Native Solutions

Results-driven software engineer with 8 years of experience in delivering scalable, secure, and high-performance web and cloud-based solutions across .NET Core, C#, and microservices architecture. Certified AWS Solutions Architect and Developer with hands-on experience in deploying full-stack applications to AWS and Azure. Adept in containerization (Docker, EKS), serverless (Lambda), API integration, DevOps automation (CI/CD with Azure DevOps, Atlassian Bamboo), and cross-platform system integration. Proven track record in government, and enterprise-grade applications.

Technical Skills

Programming Languages/Script: C#, Python, JavaScript

Web Technologies: ASP.NET / ASP.NET Core MVC, Angular, REST API, WCF, WinForms, HTML5, CSS, jQuery, AJAX, JSON, XML

Messaging & Middleware: IBM MQ Explorer, Rabbit MQ, Active MQ

Databases: MS SQL Server, PostgreSQL, MySQL, Oracle

Cloud Platforms: AWS (EC2, Lambda, S3, RDS, CloudFormation), Azure (App Services, Key Vault, Azure SQL)

DevOps & CI/CD: Atlassian Bamboo, GitLab, Azure DevOps, CodeBuild, CodePipeline

Container Technologies: Docker, Kubernetes, AWS EKS, AWS ECS, Docker

Version Control Systems: Azure DevOps, GitLab, GitHub, Bitbucket

Concepts/Methodologies: Clean Architecture, Microservices, MVC, Agile

Networking/Protocols: TCP/IP, UDP, SNMP, SFTP, HTTP/HTTPS, SSL, SSH

Work Experience

Senior Software Engineer

July 2022 – Present

ATT Systems Pte Ltd, Singapore

- **Full SDLC Participation:** Engaged in all phases of the Software Development Life Cycle (SDLC), including requirements analysis, architecture, development, testing, and deployment of web and cloud-based applications.

- **Web Application Development:** Designed and developed responsive, secure, and high-performing web applications using ASP.NET Core, C#, Entity Framework, REST APIs, HTML5, CSS, JavaScript, and Bootstrap. Delivered scalable and user-friendly interfaces aligned with business needs.
- **Microservices & Containerization:** Engineered scalable microservices architecture using .NET Core, containerized services with Docker, and deployed via AWS Elastic Kubernetes Service (EKS) to ensure high availability and fault tolerance.
- **Cloud Infrastructure & AWS Expertise:** Architected and deployed AWS infrastructure using CDK and CloudFormation, optimizing performance, cost, and scalability. Hands-on experience with core AWS services including EC2, S3, EKS, RDS, Lambda, Route 53, ECR, VPC, IAM, SQS, SNS, ELB, CloudFront, and WAF.
- **DevOps & CI/CD:** Implemented automated CI/CD pipelines using Atlassian Bamboo framework, improving release speed and reducing deployment errors.
- **System Integration:** Facilitated seamless integration with external systems like **APEX**, **SINGPASS**, **EPIC**, and **HL7**. Ensured secure and reliable data exchange across platforms by coordinating closely with multiple IT stakeholders.
- **Collaboration with Stakeholders:** Worked directly with government agencies and internal GCC teams to deliver project-specific components. Collaborated with distributed development teams to support full-cycle application delivery.

Software Engineer

July 2020 – June 2022

ATT Systems Pte Ltd, Singapore

- Spearheaded the development of high-performance web applications using modern .NET 6 and REST API technologies, improving system throughput.
- Enhanced user interfaces through efficient front-end implementation, increasing application responsiveness and usability.
- Integrated various devices, including facial recognition systems, fingerprint scanners, iris scanners, and payment devices, to enhance system functionality.
- Worked extensively with AWS cloud services, contributing to tasks like deployment, management, and maintenance.
- Installed and configured SSL Certificates to ensure secure and encrypted application connections.
- Proficient in installing and configuring messaging systems such as IBM WebSphere MQ, RabbitMQ, and ActiveMQ to support application communication.
- Partnered with clients in cross-functional project meetings to ensure delivery aligned with business objectives.

Software Developer

March 2016 – June 2020

ATT Systems Pte Ltd, Singapore

- Built robust applications using C#, ASP.NET, and Web APIs, meeting client specifications within project deadlines.
- Designed and implemented solutions aligning with client specifications and business needs.
- Debugged web applications and web services to identify and resolve operational errors.
- Conducted rigorous testing to ensure smooth functionality and reliability.
- Enhanced operational efficiency by designing SQL databases, optimizing queries, and implementing stored procedures, reducing query response times.
- Developed complex Crystal Reports with features like sub-reports, increasing reporting accuracy.
- Integrated secure payment gateways, such as PayPal, into web applications to enable seamless transactions.
- Authored comprehensive user manuals and operational guides, reducing onboarding time for new users.
- Managed installation and configuration of web servers and SQL servers, ensuring smooth and efficient operations.

Higher Education

05/2011 – 05/2015 Bachelor of Technology in Electronics and Communication Engineering
SVES Suryapet, India

Certifications

- **Microsoft Certified Azure Developer Associate**, June 2026
- **AWS Certified Developer – Associate**, August 2027
- **AWS Certified Solutions Architect – Associate**, April 2025
- **GCC Certified – Foundation**