



# GANESAN SANKARAN

Software Principal Technical Expert

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## PROFESSIONAL SUMMARY

Software Principal Technical Expert with 14+ years of experience in modern software development, cloud architecture, and team leadership. Expertise in .NET Core, C#, Azure, Docker, and Angular. Proven track record in leading cross-functional teams, implementing AI/ML solutions, and delivering scalable SaaS products with focus on code quality, security, and best practices.

## CORE TECHNICAL SKILLS

**Backend Development:** C#, .NET Core, ASP.NET, Web API, Entity Framework, Microservices, REST APIs, gRPC

**Frontend Development:** Angular, TypeScript, JavaScript, HTML5/CSS3, WPF, XAML, MVVM

**Cloud & DevOps:** Azure (App Service, Functions, Storage, Monitor), Docker, Kubernetes, CI/CD, Azure DevOps

**Databases:** SQL Server, PostgreSQL, Redis, MongoDB, Cosmos DB

**AI & Integration:** ML.NET, OpenAI, LLM, RabbitMQ, Azure Service Bus, Event-Driven Architecture

**Tools & Practices:** Git, SonarQube, HP Fortify, Agile/Scrum, Code Review, Unit Testing, Security

## PROFESSIONAL EXPERIENCE

### Software Principal Technical Expert

*Schneider Electric | Bengaluru, India | February 2022 – Present*

- Developed key SaaS energy management product using .NET 8, C#, Azure, and Angular for big buildings smart energy management
- Integrated AI/ML features using ML.NET and OpenAI for data-driven energy optimization and predictive analytics
- Led migration from Windows-based to cloud-based multi-tenant architecture, achieving zero-downtime deployment
- Improved maintenance efficiency by 50% through implementation of code quality gates using SonarQube and HP Fortify
- Containerized application services with Docker and implemented end-to-end monitoring using Azure Monitor

### Software Technical Lead

*Philips India LTD | Bengaluru, India | November 2018 – February 2022*

- Led team of 6 engineers in core R&D; team for healthcare platform development using .NET Core, C#, and Angular
- Improved code quality and security by 40% through implementation of SonarQube, Black Duck, and HP Fortify



- Implemented SDLC best practices and security standards, boosting code performance and reducing vulnerabilities
- Conducted weekly technical huddles on emerging technologies, improving team skill sets
- Collaborated with product owners on feature prioritization and technology advancement roadmaps

### **Technical Lead**

*Aricent Technologies | Bengaluru, India | March 2015 – November 2018*

- Led team of 8 developers in end-to-end enterprise application development using ASP.NET, Azure, and Angular
- Managed continuous delivery with Jenkins, achieving bi-weekly deployments with 99.5% success rate
- Monitored application stability, security, and scalability using Azure Monitor and custom dashboards



## Senior Software Engineer

Tagit Mobile Pvt Ltd | Chennai, India | June 2014 – March 2015

- Developed custom controls for Windows Phone and tablet devices using C# and XAML
- Improved app performance and stability by 30% through memory leak fixes

## Senior Software Engineer

Photon Interactive | Chennai, India | January 2014 – May 2014

- Developed Windows Phone and Surface apps for Fortune 500 clients (Walgreens, Best Buy, Chase)
- Created reusable custom controls, reducing development time by 25%

## Software Developer

Syncfusion Software Solutions | Chennai, India | November 2010 – January 2014

- Developed data visualization components using WPF, Silverlight, and C#
- Enabled real-time data visualization for 1000+ enterprise customers

## KEY ACHIEVEMENTS

- Improved maintenance efficiency by 50% through quality gates implementation
- Successfully migrated enterprise applications to cloud with zero-downtime deployment
- Led teams of up to 8 engineers, mentoring junior developers and conducting code reviews
- Reduced development time by 25% through reusable component libraries

## KEY PROJECTS

- Energy Management SaaS Platform: Multi-tenant cloud platform with AI/ML integration for big buildings smart energy management
- Healthcare R&D; Platform: Core platform with enhanced security and SDLC best practices
- Enterprise Application Platform: Scalable application serving 1000+ users

## EDUCATION

### Bachelor of Engineering (B.E.) - Computer Science and Engineering

Anna University Chennai, AKCE College of Engineering, Srivilliputhur, Tamilnadu | June 2006 – May 2010

## CERTIFICATIONS

- Certified Azure Developer (Microsoft Azure) - June 2023
- Certified SAE 4 DevOps Practitioner (Scaled Agile) - July 2019

## LANGUAGES

English (Fluent), Tamil (Native), German (Basic)