Parthiban Kaliyappan

Email: parthiban.kaliyappan@hotmail.com | **Phone:** +91-9677377505

LinkedIn | **Github** | **stackoverflow**

Professional Summary

Highly skilled **Technical Lead** with **10+ years** of experience developing **high-performance web applications** using modern technologies like **C#, .NET Core, Azure, SQL Server, PostgreSQL, Oracle, Typescript and Angular**. Adept at implementing **TDD, SOLID principles**, and **microservices** for scalable and maintainable software. Proven expertise in designing Azure serverless architecture, optimizing processes, and mentoring development teams. A continuous learner with a strong focus on delivering innovative, reliable, and cost-effective solutions.

Professional Experience

Technical Lead
Société Générale Global Solution Center, Bangalore | Nov 2021 – Present

- **Optimized batch scheduling** through the RiskOne Elasticity Batch Auto-Scheduling Web App using C#, .NET6, EF Core, CQRS, Oracle, Typescript, Angular.
- Resolved *RiskOne HedAcc Monthly Process batch* **performance** issue that improving server utilization and reducing runtime from **14 hours to 30 minutes**.
- Automated batch processing workflows, achieving SLA compliance and faster accounting closures.
- Resolved critical **vulnerabilities and non-compliance** issues for RiskOne assets (Windows and Linux) under tight deadlines.
- Integrated tools like **SonarQube, Kibana, and Grafana** for monitoring and improving software reliability.
- Mentored **2-4 developers**, enhancing team performance and code quality.
- Managed **SG cloud resources**, including VMs, PostgreSQL setups, and server upgrades.
- Collaborated with global stakeholders to align technical solutions with business goals.

Technologies: C#, .NET Core, .NET Framework, Entity Framework Core, Redis, NUnit, Typescript, Angular, WCF, WPF, SQL, Cube, Oracle, PostgreSQL, Jenkins, Git, Gerrit, SAFe and SG cloud

Technical Lead
Aries Group Of Companies, Sharjah, UAE | May 2020 – Oct 2021

- Led a team of **6-8 developers** to design and develop **Effism NexGen**, a SaaS platform for employee efficiency tracking.
- Architected **microservices** using **CQRS** and implemented SSO with **IdentityServer4**.
- Integrated **RabbitMQ** and **SignalR** for real-time data processing and automated CI/CD pipelines using **Azure DevOps**.
- Containerized applications using Docker, improving deployment efficiency.

Technologies: C#, .NET5, Entity Framework Core, xUnit, Typescript, Angular, Azure PostgreSQL, Azure DevOps, Azure WebApp, Azure Blob Storage, Azure Container Registry, Azure Container Instance, RabbitMQ, Git, Scrum

Senior Software Engineer
Wall Street English (Pearson), Chennai | Oct 2016 – May 2020

- Transitioned a **monolithic application** to **microservices architecture** using .NET Core, CQRS, and EF Core.
- Developed an OpenID Connect-based authentication system for secure user access.
- Migrated legacy systems to **Azure SQL**, reducing operational costs and improving scalability.
- Created reusable libraries for **Azure Service Bus** and **Redis Cache**.

Technologies: C#, .NET Core, Entity Framework Core, xUnit, Redis, AngularJS, Azure SQL, Azure WebApp, Azure Blob Storage, Git, SAFe

Associate
Jeevan Technologies, Chennai | Apr 2015 – Oct 2016

- Designed APIs and dynamic UIs for **TaxGarden**, an online US tax (1040 EZ) filing platform.

Technologies: C#, ASP.NET Web API, Entity Framework, NUnit, AngularJS, SSRS, TFS, Git, Scrum

Programmer
Unichem Consultants Pvt. Ltd., Chennai | Aug 2013 – Apr 2015

- Developed a dynamic pricing tool for **Kone Elevators** with custom UI components and optimized stored procedures.

Technologies: C#, ASP.NET, SQL, JavaScript, Ajax, Git, Crystal Report, SSRS

Certifications
- Microsoft Certified: Azure Administrator (AZ-104) By Simplilearn

Education

Master of Science in Information Technology

Madurai Kamaraj University, Tamil Nadu, India | 2012

Key Achievements

- Awarded "**Best Performer of the Quarter**" for outstanding contributions to contract management project delivery.
- Delivered **SG Marketplace for Experts**, a Single Page Application (SPA) with **.NET 8 REST API** backend and **PostgreSQL** database during GBTO Hackathon, achieving rapid development under tight deadlines.
- Created reusable libraries for Azure Service Bus and successfully **containerized .NET Core applications**.

Technical Skills

Backend/Programming

- **Languages & Frameworks:** C#, .NET Core and .NET Framework
- **Development Patterns:**
  - TDD (Test-Driven Development)
  - CQRS (Command Query Responsibility Segregation)
- **UI Frameworks:** WPF (Windows Presentation Foundation)
- **Communication:** WCF (Windows Communication Foundation)
- **ORM:** Entity Framework Core

Frontend

- **Frameworks:** Angular and AngularJS
- **Languages:** TypeScript and JavaScript

Data Storage

- **Relational Databases:** SQL Server, PostgreSQL, Oracle and Azure SQL
- **Caching:** Azure Cache for Redis

Message Brokers

- Azure Service Bus
- RabbitMQ

Cloud & DevOps (Azure Stack)

- **Compute:** Azure Web Apps, Azure Functions, Azure Container Instances (ACI)
- **Storage:** Azure Blob Storage
- **Integration:** Azure API Management, Azure Service Bus
- **Monitoring:** Azure Application Insights
- **DevOps:** Azure DevOps
- **Container Registry:** Azure Container Registry

Tools & CI/CD

- **Containerization:** Docker
- **Version Control:** Git, Gerrit
- **CI/CD:** Jenkins

- **Code Quality:** SonarQube
- **Monitoring & Analytics:** Kibana, Grafana

Architecture Patterns
- Microservices, Serverless
- Container-based:
    - Docker containers

Project Management & Methodologies
- SAFe (Scaled Agile Framework)
- Scrum
- Agile

Languages
- English (Professional Proficiency)
- Tamil
- Malayalam