

# Karthick S

+91 7299055934 ❖ [karthickselvamdev@gmail.com](mailto:karthickselvamdev@gmail.com) ❖ Chennai, IN

❖ [linkedin.com/in/karthick-selvam](https://www.linkedin.com/in/karthick-selvam) ❖ [github.com/IamKarthickSelvam](https://github.com/IamKarthickSelvam) ❖ [iamkarthickselvam.github.io/v1](https://iamkarthickselvam.github.io/v1)

## EXPERIENCE

---

**Tata Consultancy Services (Currently serving Notice period, < 45 days)**

**June 2021 – Present**

*.NET Full Stack Developer (.NET + Angular)*

*Chennai, IN*

- Implemented fault tolerant mechanisms using Polly for common failure points for multiple applications resulting in a reduced error rate by **80%** thus improving code quality
- Rectified critical code issues involving dynamic currency conversion, saving **thousands** with enhanced financial accuracy, and earned client appreciation for swift resolution
- Implemented UI interface and REST APIs for XML/PDF generation and CRUD operations as part of migration of a legacy WinForms application into a Monolithic .NET Framework application adhering to **N – layer architecture**
- Developed a fake test data generator for developers which reduced the development time by **30%**
- Achieved a client satisfaction rate of **>95%** through 2021 (**96.67%**) and 2022 (**95.55%**)
- Collaborated effectively with stakeholders daily for business requirements and familiar with project management approaches such as **AGILE** methodology, Scrum and Kanban

## PROJECTS

---

**Vehicle Insurance Web App** | ASP.NET Core, Angular, Entity Framework Core, SQLite, Bootstrap, Azure Web App, Azure Static Web App, Azure Blob Storage, Azure Cache for Redis [\[Live Site\]](#) [\[Video\]](#) [\[Github\]](#)

- Developed a full-stack web application for purchasing vehicle insurances
- Included features like instant quotations, invoice PDF generation and optional add-ons similar to [www.acko.com](http://www.acko.com)
- Integrated cloud features like Azure Blob Storage for storing static images, invoice templates, Azure Cache for Redis for distributed caching and Azure Web App to host the application on cloud

**Courier Microservices** | ASP.NET Core, Angular, Docker, Kubernetes, RabbitMQ, Stripe, SQL Server, SQLite, MongoDB, gRPC, Nginx, Entity Framework Core [\[Video\]](#) [\[Github\]](#)

- Developed microservices for Booking, Payment, Tracking and Courier UI in **Event – Driven Architecture**
- Using Nginx Ingress as the API gateway, RabbitMQ as the message broker, gRPC for service-to-service communication
- Integrated Stripe Payments to handle payments from Courier Web App

## TECHNICAL SKILLS

---

- **Languages:** C#, TypeScript, T-SQL, SQL, JavaScript, HTML, CSS
- **Frameworks & Libraries:** ASP.NET Core, Angular, Web API, Bootstrap, Polly, AutoMapper, RabbitMQ, .NET Core, MVC, .NET Framework, Entity Framework Core, Dapper, Stripe
- **Tools & Platforms:** Git, GitHub, Docker, Kubernetes, Azure Blob Storage, Azure Cache for Redis, Azure Functions, Azure Repos, MongoDB, Visual Studio, SQL Server, VS Code, Bitbucket, Chrome DevTools, Postman
- **Certifications:** Microsoft Certified: Azure Fundamentals (AZ – 900)

## EDUCATION

---

**Vellore Institute of Technology**

**June 2017 – June 2021**

*Bachelor of Technology in Mechanical Engineering*

*Chennai, TN*