

# Karthick S

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## EXPERIENCE

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### Tata Consultancy Services (Currently serving Notice period)

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 a critical code issue 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

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

- 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, document templates and Azure Cache for Redis for distributed caching

**CLI Commands Service** | ASP.NET Core, Docker, Kubernetes, RabbitMQ, gRPC, Nginx, Entity Framework Core [\[Github\]](#)

- Developed 2 microservices – Platform service and Commands service with Nginx as the API gateway, RabbitMQ as the Messaging Bus, gRPC for intra – cluster service communication
- The name of the platform (ex: Docker) is fed to the API and the list of docker CLI commands are fetched
- Docker and Docker hub was used to create and store images with Kubernetes and yaml files to orchestrate containers

## TECHNICAL SKILLS

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- **Languages:** C#, TypeScript, T-SQL, SQL, JavaScript, HTML, CSS
- **Frameworks & Libraries:** ASP.NET Core, Angular 2+, Web API, Bootstrap, Polly, AutoMapper, RabbitMQ, .NET Core, MVC, .NET Framework, Entity Framework Core, Dapper
- **Tools & Platforms:** Git, GitHub, Docker, Kubernetes, Visual Studio, SQL Server, VS Code, Azure Blob Storage, Azure Cache for Redis, Azure Repos, Bitbucket, Chrome DevTools, Jira, Postman
- **Certifications:** Microsoft Certified: Azure Fundamentals (AZ – 900)

## EDUCATION

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Vellore Institute of Technology

June 2017 – June 2021

Bachelor of Technology in Mechanical Engineering

Chennai, TN