

Karthick S

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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
- 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 a courier application comprising separate services for Booking, Payment, Tracking and Courier UI
- 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