

Karthik Rammoorthy

37 Veronica Drive, Apt #401, Halifax, NS B3N 3A4

(902) 789 4476 | rkarthikkumar@outlook.com

LinkedIn: www.linkedin.com/in/karthik-rammoorthy

GitHub: <https://github.com/KarthikRammoorthy> || Portfolio: <https://karthikrammoorthy.github.io/Portfolio/>



CAREER HIGHLIGHTS

- Curious and accountable developer who has been constructing web applications to the business well-being for around five years.
- Utilized frontend philosophies such as Angular 7, Vue 2 in developing theme-aware and responsive applications.
- Built RESTful APIs using .NET Core 3.1 framework and integrated with EF Core and Dapper ORMs.
- Used Terraform infrastructure as a code to deploy AWS Cloudfront, API Gateway and ECS.
- Performed best practices such as SOLID principles, TDD and Design Patterns, load testing in order to develop robust and clean code.

CAREER TIMELINE

Consultant CGI

Halifax, Canada
May 2019 – Present

Aeronautical Charts Web Application – Aerospace client

- Worked on a Spotify tribe model and delivered several core modules of the application including tripkit management, user settings and flight route display. Constructed await-able tasks to generate flight charts in the background.
Technologies Used: Vue 2, Vuex store, .NET Core REST API, LINQ, SQLite (Spatialite for maps), OpenLayers API, MySQL, Dapper ORM, HTML5, CSS3, JIRA and Confluence collaboration, GitLab – SourceTree, AWS, Terraform 0.12.
- Employed SonarQube for application health monitoring and executed unit testing using Jest and Vue-Util Test suite; performed basic implementation of Selenium automated UI tests along with SpecFlow.
- Implemented Auth0 authorization as a service middleware for the application.
- Wrote terraform infrastructure as code and deployed the REST endpoints as AWS API Gateway through VPC links, Cloudfront and ECS. Achieved scalability and fault tolerance through AWS Load Balancers and AWS Auto-scaling groups.
- Executed load testing of the API endpoints using JMeter 2.5.1

Canadian Claims Management Application – Insurance client

- Worked on an agile model and delivered multiple modules such as absence management, employee management in quick turnaround time.
Technologies Used: Angular 7, Microsoft ASP.NET Core API, C# 8, Microsoft SQL Server(Entity Framework), Swagger, Docker, JSON Patch, Azure DevOps collaboration, Typescript, JavaScript ES6, Bootstrap 4, JSON and XML formats.
- Implemented the core CSS design of the complete application; constructed the application to be theme aware and responsive to mobile devices and tablets.
Angular techniques Used: Angular Flex API, Angular CLI, Reactive forms using Control Value Accessors, Jasmine UI Testing, Rxjs libraries, Sass theme file, third party calendar controls and Angular Material UI.
- Built RESTful APIs in .NET Core with JWT authentication middleware; code first approach using EFCore. Performed unit testing using NUnit and Moq framework.

Software Developer Intern
Genesis Technology Inc

Dartmouth, Canada
Jan 2019 – April 2019

- Worked on value added features in Genesis' Jail Services such as virtual vending machines and enhancing product dashboard functionalities.
- Developed a helper tool for the developers that provides system status and assists in markdown documentation of the developed UI pages.

Technologies used: SQL Generic Queries, Infragistics, VB.NET, C#, Markup-to-Markdown processing.

Systems Engineer
Tata Consultancy Services

Chennai, India
Oct 2013 – Dec 2017

- Engaged in the development of an insurance policy generation application of the client organization, thereby reducing considerable manual effort for the underwriters and reduced paper use; took the responsibility of module leader while developing one of the features.

Technologies used: Angular 4, ASP.NET REST API, MS SQL Server, SOAP and REST API services.

- Delivered business requests and performance enhancements on a weekly basis.
- Participated in the incident management of several applications.
- Involved in POC (Proof of Concept) proposals and software development initiatives like automating some of the manual processes carried out in the internal HR team.

Technologies used: HTML, CSS, Angular 4, ASP.Net Core API.

- Assisted in the project management activities such as consolidation of daily incident reports and employee appraisal tracking through Excel. **Technologies used:** VBA Macros, Microsoft Office.

EDUCATION

Master of Applied Computer Science

Jan 2018 – April 2019

Dalhousie University, Halifax, NS, Canada

Bachelor of Engineering in Computer Science

Sep 2009 - May 2013

Anna University, Chennai, TN, India

CERTIFICATIONS

- AWS Certified Cloud Practitioner: Amazon Web Services (May 2020)
- 70-486: Microsoft Certified Professional: Developing ASP.NET MVC Web Application (2016)
- 70-525: Microsoft Certified Technology Specialist: ASP.NET Framework 4, web application (2012)

BEST PRACTICES

- Embraced Design Patterns and Object Oriented Design philosophies and has been bound by the laws of SOLID principles.
- Validate developed code through Test Driven Development and Configurable Business Logic for flexibility
- Code-First and mobile first approach for developing responsive web applications.
- Continuous delivery and Continuous deployment.
- OAuth – JWT authorization as a service.

LEADERSHIP AND ACHIEVEMENT

- Received appreciation for living the value of commitment and quality in CGI(Canada)
- Language: English, Tamil, French (Beginner level -A1.3).
- Proud member of Canada Helps.
- Like to watch and play cricket and associate football.