

# Karthik Rammoorthy

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## HIGHLIGHTS OF QUALIFICATIONS

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- More than 4 years of work experience in software development with good exposure in technologies such as ASP.NET MVC, Angular, Windows Forms, Entity Framework and DBMS queries.
- Delivered both server side and UI code utilizing agile process.
- Performed best practices such as SOLID principles, TDD and Design Patterns in order to develop robust and clean code.
- Provided end-to-end support including incident management and business requests.
- Adaptable team member and collaborative with client in order to exceed expectations.
- Self-motivated learner and accountable.

## TECHNICAL SKILLS

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**Databases:** MS SQL Server, MySQL, Oracle, IBM DB2

**Languages:** C#, Typescript, VB, HTML, PHP

**Domain Knowledge:** Re-insurance, Prison governance.

**Cloud Technologies:** Bluemix, Heroku, Microsoft Azure

**Mobile Technology:** Android

**SDLC:** Agile model, Waterfall model, Iterative model

**Tools:** Visual Studio, GIT, Azure DevOps, PeopleSoft HRMS, Jenkins, Azure DevOps, Google DataPrep, IBM Cognos, Apache Spark, VBA, Microsoft Team Server, Infragistics Window Forms Controls.

**Front-End Technologies:** Angular 6, Modern JavaScript ES6, Bootstrap 4, HTML5, CSS3, Web Forms, Window Forms.

**Back-End Technologies:** ASP.Net MVC, ASP.Net Core, LINQ, SOAP and REST API services, JSON and XML formats, JWT and LDAP authentication techniques, Docker.

**Best Practices:** OOPS concept with Design Patterns, Test Driven Development, Configurable Business Logic, SOLID principles, Continuous Integration, Unit testing – NUnit, MOQ framework, Code-First approach – Entity Framework.

## EDUCATION

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**Master of Applied Computer Science**

Jan 2018 – Present

*Dalhousie University, Halifax, NS, Canada – Graduation: April 2019*

**Bachelor of Engineering in Computer Science**

Sep 2009 - May 2013

*Anna University, Chennai, TN, India*

## PROFESSIONAL EXPERIENCE

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**Software Developer Intern**

*Genesis Technology Inc*

Dartmouth, Canada

Jan 2019 – Present

- Building value added features such as virtual vending machines and site management dashboards that motivates users to interact more with the system.
- Developing helper tool that provide system status and visual aid for the particular screen.
- End to End support of Genesis Jail Management Systems.  
**Technologies used:** MS SQL Server programming, Generic Queries, Infragistics tools, VB.NET, C#, Markup-to-Markdown processing.

- Constructed an insurance policy generation application for the underwriters of the client organization, thereby reducing considerable manual effort and reduced paper use; took the responsibility of team leader while developing "Quote Sheet" module. **Technologies used:** Scrum methodology, Angular, ASP.NET REST API, MS SQL Server.
- Performed VB 6 to VB.NET migration process of a legacy project; involved in building and deploying the application in all the environments.  
**Technologies used:** VB.NET, Windows Forms, Infragistics Tools, MS SQL Server.
- Delivered business requests and performance enhancements on a weekly basis.  
Building SQL stored procedures -> server side REST API -> consuming the JSON/XML feed in user interface.
- Participated in the incident management of several applications; strictly followed the rules as per Service level agreement (SLA).
- Managed HRMS module of the PeopleSoft application and supported a cluster of MS Access applications used for the decision-making process in Genre. **Technologies used:** PeopleSoft HRMS, Oracle 12c.
- Performed project management activities by automating daily incident reports and employee appraisal activities.  
**Technologies used:** VBA Macros, Microsoft Office, Procede and AIR reinsurance tools.
- Worked together with clients and project management to prepare SRS and design documentation.
- Involved in numerous POC (Proof of Concept) projects and software development initiatives.
- Took the initiative of automating some of the manual processes carried out in the internal HR team and developed Performance Analyzer application and received commendable appreciation.  
**Technologies used:** HTML, CSS, Angular, ASP.Net Core API.

## **CERTIFICATIONS**

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- 70-486: Microsoft Certified Professional: Developing ASP.NET MVC Web Application
- 70-525: Microsoft Certified Technology Specialist: ASP.NET Framework 4, web application

## **ACADEMIC PROJECTS**

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### *MedAccess – Dalhousie University*

June 2018 – Aug 2018

It assists patients to book doctors online and to maintain patient health records; developed search doctor and registration functionalities. Acted as Scrum Master to facilitate agile methodology. Implemented Observer, Singleton and Chain of Responsibility patterns in a Test Driven Development.

**Technologies Used:** Angular 6 with Express, Phantom JS, Jenkins, Springboot REST API, JSON and MySQL.

### *MedPlus – Dalhousie University*

June 2018 – Aug 2018

A web application which provides a marketplace for customers to purchase from an extensive collection of pharmaceutical drugs.

**Technologies Used:** Angular 6 with Material and FlexLayout, Springboot API hosted in Heroku, Git, and MySQL

## **PERSONAL PROJECTS**

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### *Shopimax API*

Aug 2018 – Sep 2018

An e-commerce API which provides endpoints for performing CRUD operations on e-commerce commodities

**Technologies Used:** ASP.Net Core 2.1, Entity Framework Core, SQLite, JWT Bearer, JSON, Moq, NUnit, Docker.

### *Gym Conferatur*

Jan 2019 - Present

A prototype that helps us find the best place to work out.

**Technologies Used:** Modern Javascript ES6, Angular, Local Storage, ASP.NET MVC

## **LEADERSHIP AND ACHIEVEMENT**

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- Won the First place in Hacking competition 2018 held at Dalhousie University. (Canada)
- Won "On the spot" awards and client appreciation prizes for effective contribution in projects at Tata Consultancy Services. (India)
- Proud member of SOS Children's Villages.