

Aravindhan Venkituswamy

+1 (607) 232 9492. Dallas, TX, USA.

aravindvenkit.com
avenkit2@binghamton.edu
linkedin.com/in/aravind-venkit
github.com/aravindwithu

Education

Master of Science in Computer Science – 3.43	Aug 2016 – Present
Binghamton University, State University of New York, USA.	
Bachelor of Engineering in Electronics and Communication	Jun 2007 – May 2011
Anna University, Chennai, India.	

Technical Skills

Languages	C#, Java, C, JavaScript, Typescript, HTML5, CSS3
Frameworks	ASP.NET MVC, ASP.NET Web API, jQuery, Node.js, Ionic, Angular, Bootstrap
Tools	Kubernetes, Docker, Firebase, Cordova, Twilio, SendGrid, Swagger, Asana, GitHub, VSTS
Databases	MongoDB, SQL Server, Oracle DB
OS	Linux, OSX, Windows

Work History & Projects

Mobile Developer	Jul 2017 – Aug 2017
MoHelp App, Columbia, SC, USA	Intern

- Completed mobile application development internship based on **Ionic, Node.js, Angular, and Bootstrap**.
- Worked in Agile-scrum environment with one to two weeks sprint using tools like **Asana** and **GitHub**.
- Developed **geofencing**, and location identification system based on **Google Maps API**.
- Designed and developed **Twilio** based SMS phone verification and messaging system.
- Implemented custom designed Responsive UI for **iOS, Android**, and web platforms.
- Utilized **Mongo DB** along with **Cordova** for a hybrid mobile app, HTML5, Sassy CSS, Typescript, and **JSON**.

Software Engineer	Jul 2012 – May 2016
Tech Mahindra Limited, Chennai, India	Client: Plan International

- Plan systems web application
- Involved from the scratch to build a web application in lightweight **MVC** architecture.
 - Worked on MS **Azure Cloud** with **VSTS** for automatic deployment in the **Agile-Scrum** environment.
 - Adopted Existing Business logic using **ASP.NET RESTful Web API**, which saves up to 70% cost & efforts.
 - Used technologies and concepts like **C#.NET, ASP.NET MVC, LINQ, Razor syntax, Entity Framework**.
 - Constructed the **core financial module** where more than 5 million transactions are made every month.
 - Implemented the **SEPA** (Single European Payment Area) for 8 different European Cultural Settings.
 - Improved performance of numerous SQL procedures and functions with indexing & **query optimizations**.
 - Utilized ADO.NET, **dynamic statements**, SQL profiler, SSRS, SSDT, and handled SQL migrations.
 - Developed **dynamic XML file structures**, where a user can design their own XML file format structures.
 - Utilized dev tools like Postman, SOAP UI, TFS, Telerik UI, Visual Studio, **ADO.NET**, and SQL Server.
 - Developed Windows desktop applications using .NET framework, Windows Forms, and Crystal Reports.

Academic & Other Projects

- Task Management System (Firebase serverless web app)
- Developed a server less application with **firebase, Angular, Bootstrap**, HTML, CSS, Typescript and SendGrid.
 - Utilized firebase products are authentication, cloud firestore, cloud storage, hosting and cloud functions.

- Weather Prediction System (Advanced Cloud Computing)
- Completed cloud-based application including data collection using various **Docker-based microservices**.
 - Utilized **Kubernetes (Google Cloud)** for auto- deployment, load balancing, and scaling.
 - Used **Java, Spring-boot**, MongoDB, and swagger to develop various microservices.

- Data trend prediction (Data Mining)
- Developed Project regarding **time-series** data trend prediction in e-commerce, using R-Language.
 - Utilized backward propagation **Neural network** and ARIMA to find the accurate result in data prediction.

- Java & Other Projects
- Utilized **Java (JDBC), Oracle DB, VM 2016 (Virtual Box)**, Eclipse and SQL developer in a [project for DB course](#).
 - Scored 100% in projects based on Java - **Recursive-Descent Parser**, Scheme, Haskell, and Erlang.
 - Implemented various **design patterns** like Observer, factory, state, Behavioral, and Composite patterns.
 - Done projects on **Xv6** Operating System including paging, threading, file system and scheduling algorithms.