Aravindhan Venkituswamy

☏ +1 (607) 232 9492. ⚲ Binghamton, NY, USA.

〜 aravindvenkit.com
✉ avenkit2@binghamton.edu
in linkedin.com/in/aravind-venkit
�68 github.com/aravindwithu

Education

Master of Science in Computer Science – 3.4   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	Java, C#, C, JavaScript, Typescript, HTML5, CSS3
Frameworks	Angular, Bootstrap, jQuery, Node.js, Ionic, Spring Boot, ASP.NET(MVC & Web API)
Tools	Kubernetes, Docker, Firebase, Cordova, Twilio, SendGrid, Swagger, Asana, GitHub, VSTS
Databases	MongoDB, SQL Server, Oracle DB
OS	Linux, OSX, Windows (server)

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 **RESTful Web API**, which saves up to 70% cost & efforts.
- Constructed the **core financial module** where more than 5 million transactions are made every month.
- Implemented the **SEPA** (Single European Payment System) for 8 different European Cultural Settings.
- Improved performance of numerous SQL procedures and functions with indexing & **query optimizations**.
- Implemented & Utilized **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, Crystal Reports, Visual Studio, and SQL Server.
- In addition to Development, I have also Provided L4 support and acted as liaison for the L3 client coordinator.

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 Systems (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.

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.