

# Aravindhan Venkituswamy

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## Experience

**Radixlink**  
**Full-stack Developer**

Chandler, AZ, USA

Jun 2018 – Present

- Developed and deployed full-stack web apps in Agile Scrum environment along with GIT repository.
- Front-end based on Angular 2+, HTML5, CSS3, JavaScript, back-end in NodeJS, Redis, and MongoDB.
- Developed geofencing, and location identification system based on Google Maps API.

**MoHelp App**  
**mobile Developer**

Columbia, SC, USA

Jul 2017 – Aug 2017

- Completed mobile application development internship based on Ionic 2, Angular 2+, and Bootstrap.
- Designed and Implemented Uber-like round-robin REST API requests in Node.js, Mongo DB, and Redis.
- Worked in Agile-scrum environment, with Cordova(hybrid mobile app), Typescript, HTML5, SCSS, and JSON.

**Tech Mahindra**  
**Software Engineer**

Chennai, TN, India

Jul 2012 – May 2016

- Involved from the scratch to build a web application in lightweight MVC architecture.
- Worked on CD/CI along with GIT for automatic deployment in the Agile-Scrum environment.
- Developed web app based on HTML5, CSS3, JavaScript, Angular, REST Web API and Bootstrap.
- Adopted Existing Business eligible for 3<sup>rd</sup> party consumption as well, 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 Area) for 8 different European Cultural Settings.
- Improved performance of numerous SQL procedures and functions with indexing & query optimizations.
- Utilized dynamic statements, SQL profiler, SSRS, SSDT, and handled SQL migrations in SQL Server.

## Technical Skills

|                 |  |
|-----------------|--|
| Languages       | Java, JavaScript, C#, C, HTML5, CSS3, Python                                   |
| Frameworks      | Angular, jQuery, Node.js, Ionic2, Spring Boot, ASP.NET(MVC & Web API), Webpack |
| Tools/Platforms | GIT, Kubernetes, Docker, Microservices, VSTS(TFS), CI/CD, Azure, GCP, Firebase |
| Databases       | SQL Server, MongoDB, Redis, Oracle DB  |

## Education

**Master of Science in Computer Science – 3.43**  
[Binghamton University, State University of New York, USA.](#)

Aug 2016 – May 2018

**Bachelor of Engineering in Electronics and Communication**  
[Anna University, Chennai, India.](#)

Jun 2007 – May 2011

**Academic & Other Projects**

Aug 2016 – May 2018

**Task Management System (Firebase serverless web app)**

- Developed a serverless 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 auto-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% on 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 Linux, Xv6 OS like paging, threading, file system and scheduling algorithms.