Aravindhan Venkituswamy

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Experience

MoHelp App,   Columbia, SC, USA
mobile Developer   Jul 2017 – Aug 2017
- Completed mobile application development internship based on Ionic, Node.js, Angular 2+, and Bootstrap.
- Designed and Implemented Uber like round-robin REST API requests in Node.js and Redis.
- 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 Cordova for a hybrid mobile app, HTML5, Sassy CSS, Typescript, Send Grid and JSON.

Tech Mahindra   Chennai, TN, India
Software Engineer   Jul 2012 – May 2016
- 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 C#.NET, ASP.NET Web API, which saves up to 70% cost & efforts.
- Developed web application based on ASP.NET MVC, LINQ, Razor syntax, and 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.
- 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.
- In addition to Development, I have also Provided L4 support and acted as liaison for the L3 client coordinator.

Technical Skills

Languages	C# (proficient), C, JavaScript, Java, HTML5, CSS3, Python (knowledgeable)
Frameworks	Angular, jQuery, Node.js, ASP.NET(MVC & Web API), Ionic2, Spring Boot, 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   Aug 2016 – May 2018
Binghamton University, State University of New York, USA.

Bachelor of Engineering in Electronics and Communication   Jun 2007 – May 2011
Anna University, Chennai, India.

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.

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.