Shravan Jambukesan

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Summary

Software engineer with 4 years of experience designing, developing, and implementing solutions across a wide range of industries including sports/fitness technology, government, and financial services. Currently specializing in building scalable, high performance backend systems using the Microsoft .NET platform and Aerospike NoSQL database.

Experience

Software Development Engineer
Charles Schwab

Aug 2020 - Present (1 year 2 months +)
Currently working on scalable backend systems in the Portfolio Accounting Technology organization. Technologies include:

* .NET Core
* Aerospike NoSQL Database
* Pivotal Cloud Foundry
* Splunk

Software Developer
AGR, LLC

Apr 2019 - Aug 2020 (1 year 5 months)
* Maintained an existing Xamarin app along with corresponding ASP.NET backend and SQL Server instance for a government client.

* Designed and implemented a .NET Core based integrations hub for managing eCommerce integration plugins from Amazon, Walmart, Etsy, and others.

* Designed and architected an ASP.NET core based backend for personnel management and sending mass push notifications to a Xamarin app. This project also involved migrating data from the client's existing MS Access database and Excel worksheets into a fully relational database in SQL Server 2019.

* Designed and implemented computing infrastructure for AGR to better serve clients. This includes setting up the AGR Dallas office with a modern, secure network powered by Ubiquiti Networks hardware, purchasing and configuring a Dell PowerEdge server with Windows Server 2019, and installation of internal tools such as JIRA, Confluence, and Bitbucket. I administered the server and network during my tenure.

Software Engineering Intern
Charles Schwab

Jun 2019 - Aug 2019 (3 months)
* Improved code coverage for two projects by implementing new unit tests and optimizing existing ones. Used SonarQube to deliver code coverage metrics through an automatic build plan in Atlassian Bamboo.

* Implemented an internally used QA tool for validating calculations derived from another internally developed .NET library

Software Developer
OrchestrateHR
May 2017 - Jun 2019 (2 years 2 months)
* Assisted with design and development of a strength training application using Kinect for Windows along with mobile apps to track student athlete health data. This application is currently being piloted by the University of Texas football team.

* Developed and deployed multiple Xamarin apps, including the first mobile app for the company.

* Designed and implemented embedded hardware for an automated sprint timing system targeted for collegiate athletics programs. This system is built around ARM and AVR microcontrollers that communicate over 2.4 GHz RF and Bluetooth 4.0 back to an iOS app built with Swift.

Product page: http://kongiq.com

App Development Contractor
AGR, LLC
Feb 2017 - Aug 2017 (7 months)
Assisted with development for an app written in Xamarin for a government contract

Mobile Application Developer
OrchestrateHR
Jun 2016 - Aug 2016 (3 months)
Developed an app for iOS and Android during an internship that allows athletic trainers, students, and parents to easily scan and upload insurance ID cards to the NExTT software platform.

Android app on Google Play: https://play.google.com/store/apps/details?id=com.orchr.docscanner

iOS app on the App Store: https://appsto.re/us/7-2Ldb.i

Education

The University of Texas at Dallas
Bachelor of Science - BS, Computer Science
2016 - 2020

Plano West Senior High School
2014 - 2016

Licenses & Certifications

Microsoft Technology Associate: Software Development Fundamentals (MTA) - Microsoft

Professional Scrum Developer - Scrum.org

Skills

Xamarin • C# • Java • Android Development • Mobile Applications • iOS Development • Linux • Windows Presentation Foundation (WPF) • .NET Framework • Arduino

Honors & Awards

3rd Place Communications Special Award at Dallas Regional Science Fair - Rockwell Collins

Feb 2014

Special award from Rockwell Collins for the 2014 Dallas Regional Science Fair qualifying project "The Effects of Near Field Communications on Android Device Performance"