Jacob Dowell

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Experience

Software Engineer III at Charles Schwab June 2018 – Present
- Led the modernization of five legacy WinForm applications to cloud-based Single Page Applications (SPAs), employing an MVC design pattern with Angular 9+ and .NET Core 6+
- Led TDA merger and USAA acquisition projects, ensuring seamless integration of systems and processes
- Designed and implemented RESTful and SOAP APIs, significantly enhancing data accessibility for SPAs
- Developed a Redis microservice for caching and a RabbitMQ microservice for message subscription
- Implemented application unit tests with 85% code coverage using MS Test and Jasmine frameworks
- Automated CI/CD pipelines utilizing BitBucket, Bamboo, and PCF, streamlining development processes
- Implemented application logging with Splunk and created dashboards to visualize and track key metrics
- Authored Software Architecture Documentation and presented to Local Governance gaining approval
- Mentored developers, offering guidance and facilitating onboarding to development platform & SOPs
- Successfully completed Schwab's Aspiring Leaders Program and NERD Program

Programming Fundamentals Tutor at Texas State University February 2017 – May 2018
- Provided tutoring support to students, aiding in their comprehension of programming fundamentals
- Analyzed and debugged code (C# and Java), providing feedback and guidance for improvement

Bridal Consultant at Bed Bath & Beyond July 2014 – August 2016
- Trained ten new employees on corporate policies and procedures
- Created bridal registries according to budgetary goals to maximize revenue
- Generated up to 10% of the store's daily income through online transaction orders

CBRN Reconnaissance Team Leader at United States Army September 2009 – March 2013
- Managed a reconnaissance team of three to ensure mission readiness and personal well-being, conducting monthly evaluations for individual improvement
- Assisted commanding officers in planning missions according to company procedures, minimizing risk

Skills

Languages: JavaScript, TypeScript, C#, Java, HTML, CSS/SASS
Frameworks: Angular 2+, .Net Core, .Net Framework, Spring, AJAX
Library: Node.js, React, RxJS, NgRx, jQuery
UX/UI Design: Prime NG, Ng-Lightning, Ng-Bootstrap
Cloud: Azure, Pivotal Cloud Foundry
Databases: SQL Server, MongoDB Compass
Testing: Jasmine, Karma, MS Test, JUnit
Tools & Technologies: GIT, Agile, Scrum, Atlassian Tool Suite, CI/CD, Splunk, Redis, RabbitMQ, Postman

Certifications

Microsoft AZ-900: Azure Fundamentals	January 2022
Microsoft 98-361: Software Development Fundamentals (C#)	September 2020
Professional Scrum Master I	February 2019
Microsoft 98-388: Introduction to Programming (Java)	September 2018

Education

McCoy College of Business: Texas State University, San Marcos, TX August 2014 – May 2018
- Bachelor of Business Administration in Computer Information Systems & Quantitative Methods
- Cumulative GPA: 3.54/4.00
- Marvin A. Johnston Excellence Award
- Outstanding Undergraduate Student Award in CIS

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