Cody McKee

Software Engineer

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Experience

Software Engineer
Microsoft

📅 March 2019 – Present   📍 Seattle, WA

- Developed and owned deployment tooling that installs and updates UltraDisk drivers on over 1000 compute nodes across a variety of clusters using C++ and Powershell
- Designed and developed diagnostics using C# to test production disk resources in 28 availability zones, report real-time performance metrics, and fire alerts based on health data
- Developed the deployment infrastructure to move test builds to virtual machines and clusters with Powershell that replaced our manual process and reduced engineer deploy time by upwards of 20% while enabling multiple new testing scenarios
- Developed multiple new API endpoints for internal diagnostic portal using C++ to support API availability during upgrade and send remote recovery actions to unhealthy storage nodes
- Created and maintained early-in-career group with over 180 members to help new college graduates at Microsoft adjust to the company

Software Development Engineer Intern
Amazon

📅 May 2018 – August 2018   📍 Seattle, WA

- Designed, developed, and deployed an internal tool for testing links on network topologies using Typescript, React, Mobx, Python, Flask, and an internal UI framework
- Held several meetings with over 15 direct customers gathering feedback on the new user experience and demonstrating new features directly to major stakeholders
- Developed unit tests for Typescript code using Mocha, Chai, and Sinon as well as developed integration tests using Selenium for an overall code coverage of over 95%

Software Engineering Intern
TIAA

📅 June 2017 – August 2017   📍 Charlotte, NC

- Developed and deployed two internal single-page web apps for database processing and analysis forecasting using the Java Spring framework with JDBC for SQL integration and Jasypt encryption for sensitive information
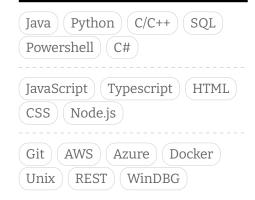
Education

B.S. in Computer Science
Clemson University

📅 Graduated December 2018   📍 Clemson, SC

- Clemson Honors College – 3.8 GPA
- Minor in Mathematical Sciences

Skills

Java   Python   C/C++   SQL   Powershell   C#

JavaScript   Typescript   HTML   CSS   Node.js

Git   AWS   Azure   Docker   Unix   REST   WinDBG

Projects

browSMS
Dubhacks 2016

Integrated Twilio API, Flask, MySQL, and Amazon Web Services to develop a web browser based in SMS utilizing Python for parsing and processing

Won "Best Use of AWS" out of 88 submissions

Goatify.me
HackGT 2016

Developed an audio processor using a Python backend with AWS and JavaScript to convert conventional music into musical goats by replacing the instruments with custom goat sounds

stream-swipe
HackGT 2018

Developed a tinder-like interface using React and Typescript that allowed users to login via Twitch.tv and swipe through active streamers to help viewers find new streams to watch and help streamers become more discoverable

BMW Capstone

Developed application to scrape information from BMW vehicle forums and run natural language processing to determine links between specific models of BMW cars and commonly reported issues