Brenden Wu

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
Skills

Languages
- Java, Python, C++, C, SQL, HTML, JavaScript, NodeJS, MSSQL, and CSS

Technologies
- AWS, TeamCity, Github, Docker, Octopus Deploy, SSMS, P4V (Perforce), Jira, and Confluence.

Professional Experience

01/2022 – 04/2022

Software Engineer, Devops
Uptake ☒
- Fulfilled customer's request to create a database restore functionality for our database management tool to allow users to revert databases using **AWS S3**, **MSSQL,** and **NodeJS**
- Reduced weekly cleanup for in-house database management tool using **NodeJS** by automating cleanup functionality for **hundreds of tenants**.
- Reviewed and evaluated software pipeline, which utilized **TeamCity** and **Octopus Deploy**.

05/2021 – 08/2021

Software Engineer, Devops
Peraso Technologies ☒
- Helped manage the company's **TeamCity** Server by creating different projects/configurations and **Python** scripts to maintain the CI/CD workflow.
- Developed **Python** scripts to upload **TeamCity** data to our company's **Confluence**, making over one hundred test results available to developers and customers.
- Assisted with scripts to help clean the **TeamCity** servers **halving** the time necessary to access our test branches.

09/2020 – 12/2020

Junior Developer
Futurecom ☒
- Executed and **developed manual/automated test cases** to ensure the quality of the company's signal repeater systems.
- Worked with other developers through the integration process to ensure no errors in the regression analysis.

01/2020 – 04/2020

Software Test Engineer
Sierra Wireless Inc. ☒
- Executed end-to-end test cases to verify the functionality of embedded modules deployed on the edge devices of industrial IoT applications. Testing includes cellular connectivity, **over-the-air software** update, **LPWA** functionalities, and device-to-host connectivity.
- Designed and automated test cases in **Python** to perform regression tests for embedded modules.

Programming Projects

01/2021

On the Way! ☒
(Python, JavaScript, SQL, HTML, and CSS)
Prototyped a grocery delivery service web application using **MySQL** for order tracking, the **Google Maps API** for automated store selection, and **Python** for back-end logic.

10/2022

Cloud Profile
(Python, AWS, React)
I utilized an **AWS S3** bucket to host a **React-based** website on my personal cloud.

Education

2019 – Present

Bachelor of Applied Sciences in Computer Engineering, Honours (4th Year)
University Of Waterloo

- Relevant courses: Algorithms and Data Structures, Real-Time Operating Systems, Database Systems, Systems Program & Concurrency, Compilers, Computer Networks