Anita Tse
Software and DevOps Engineer

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Experience

Software Development Engineer I, Amazon
Incoming 07/2020

Associate Software Developer, Absolute Software
05/2019 – 12/2019
- Wrote automated end to end tests to perform **SQL** database queries and operations, doubling the test suite size
- Implemented enhancements and refactorings to the existing **Java** testing framework
- Configured and set up the fleet of automated testing devices, their respective **Jenkins** jobs, and test results reporting, now used by the team for each release

DevOps Engineer, Copperleaf Technologies
09/2018 – 02/2019
- Containerized **Jenkins** jobs used to deploy and launch new production servers on **AWS**
- Implemented and tested the automation of new features in **Ansible** playbooks

DevOps Co-op, Copperleaf Technologies
01/2018 – 08/2018
- Implemented a highly available and fully configured **Consul** configuration system operating in production for **Jenkins** automation jobs
- Set up new application health checks on **Sensu** and log collection on **Sumo Logic**
- Gained extensive knowledge in various tools such as **AWS**, **Ansible**, **Docker**, **Terraform**, and **Jenkins**

Undergraduate Teaching Assistant, University of British Columbia
01/2018 – 08/2018
- Led weekly labs for an introductory course in functional programming
- Facilitated and graded students' assessments throughout the term

Education

University of British Columbia, B.Sc., Major in Computer Science
09/2015 – 05/2020
- Relevant Coursework: Algorithm Design and Analysis, Software Engineering, Relational Databases, Data Structures

Skills

Languages: Java, JavaScript, TypeScript, C/C++, Python

DevOps: Docker, AWS, Jenkins, Terraform, Ansible, Sumo Logic, Packer, Vault, Consul, Docker Compose

Other: SQL, JUnit Testing, Mocha Testing, Unix/Linux, HTML/CSS, D3.js, React.js, Spark AR Studio

Projects

Share the Paws   Web Application   04/2019
- Modelled a service for dog walkers and owners to create and accept walk requests
- Worked in a team of four using **HTML/CSS**, **PHP**, and **SQL**

Insight UBC   Web Application   12/2018
- Constructed the full stack web application and **REST API** using **JavaScript** and **TypeScript** to query from HTML and JSON data
- Worked in a team of three using **Agile** methodologies

BlueDirect   Android Application   04/2017
- Bizhacks 2017 Finalist
- Constructed a Best Buy app using **Java**, **Android Studio**, and Google Cloud Vision API
- Delegated tasks for each of 5 team members and presented the project to judges

Involvement

Co-President, nwPlus
04/2019 – 04/2020
- Led a team of 40 members in the planning and execution of three high profile hackathons bringing in over 1200 participants, 100 industry mentors, and 30 sponsors
- Authored over 12 articles on hackathons, team management, and more for nwPlus's Medium Publication

nwHacks Logistics Director, nwPlus
04/2018 – 04/2019
- Led a team of 5 members in planning and running all logistics at Western Canada's Largest hackathon

Workshop Mentor, Illuminate Vancouver
04/2017
- Mentored beginner and intermediate Python and HTML/CSS workshops at the Tekathon conference focussing on coding and design thinking

Certificates/Achievements

MLH Top 50 Hacker 2020	02/2020
AWS Associate Solutions Architect	08/2019
Bizhacks 2017 Finalist	04/2017