

Bailey Singleton

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Education

Oregon State University

BS Computer Science

3.5 GPA

Graduating March 2020

Corvallis, OR

Work Experience

Mentor Graphics

Calibre QA Engineer Intern

Wilsonville, OR

June 2019 | January 2020

- Automated testing suite to reliably run thousands of unit and regression tests nightly, using Jenkins to orchestrate and display results.
- Created a tool to validate Mentor Graphics' migration from a SQL-based issue tracking system to JIRA.
- Improved upon the existing system tests that are run when a new instance of Calibre Software is installed on a client's system.

Center for Applied Systems & Software

Corvallis, OR

Software Developer, Business Solutions Group

September 2018 | June 2019, January 2020 | Present

- Developed front-end applications for multiple clients using React and Typescript
- Collaborated with team members and worked individually to create scalable APIs and microservices in Node.JS
- Heavy emphasis on unit and integration testing to maximize code coverage across multiple metrics

Software Developer, Open Source Lab

April 2017 | April 2018

- Worked in an Agile team environment with fellow students to deliver a full-stack web application in Django and PostgreSQL
- Contributed to invoicing and metrics tool written in Ruby so we could bill our clients effectively
- Provided hosting for more large corporation projects like Apache, Linux Foundation, and Drupal

Portland General Electric

Portland, OR

Software Engineer

April 2018 | September 2018

- Analyzed data usage on company tools using internal Data Warehouse
- Created and migrated ETL jobs from Informatica to Automic to allow faster and reliable data transfer
- Deployed and maintained cloud infrastructure with load balanced web application
- Worked with open source tools such as Terraform and Packer to provision virtual machines to AWS, Google Cloud, Microsoft Azure, and Vsphere

Skills

Programming Languages

Bash, C, C++, Typescript, Python, SQL, Java

Tools and Technology

Jenkins, Git, CVS, Amazon Web Services EC2, VMware vSphere, Google Cloud Platform, Microsoft Azure, HAProxy, Docker, ETL

Front End Development

React, Javascript, HTML/CSS, Node.Js, Django

Hobbies

Contributing to open-source projects, avid Linux user, Ceramics, Disc golf, Mechanical keyboards, Member of Linux User Group, Skill games, Hiking, Reading