

Adam Lee

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WORK EXPERIENCE

Junior Software Engineer

December 2023-August 2024

The Standard - Contract

Portland, OR

- Automated actuarial processes using Python and the Typer library, significantly improving efficiency and reliability for actuaries.
- Created and implemented robust testing of an existing codebase using the Pytest framework, resulting in fewer bugs in production.
- Reconciled databases across various data sources using SQL and Databricks, verifying accuracy of data transfers and leading to the discovery of multiple bugs and design changes.
- Participated in Agile development with cross-functional teams using Azure DevOps and Jira to streamline deployment processes and enhance software delivery efficiency.

Coding Instructor

October 2023-Feb 2024

Coding With Kids

Portland, OR

- Instilled a love of coding in young students by creating fun and engaging lesson plans in Scratch and Python.

Junior Software Engineer

May 2022–November 2022 (*Layoffs*)

Alphaledger

Poulsbo, WA

- Performed R&D in a small team to bring blockchain technology to the municipal bond market.
- Tested various business implementations of the Hyperledger Fabric blockchain framework using Linux, Bash shell scripts, and Docker that contributed to the development direction of our product.
- Developed an automated reports on data transfers between PostgreSQL and CouchDB using Python and deployed on AWS, allowing non technical team members insight into the accuracy of our data.
- Developed program to transfer data collections between databases using Java Spring Batch jobs, leading to faster and more resources efficient database population than their existing solution.

Certifications

Dataiku Advanced & Core Designer | Dataiku

May 2024

AWS Certified Cloud Practitioner | AWS Training and Certification

October 2023

EDUCATION

Gonzaga University

Bachelor of Science, Computer Science

Spokane, WA

RELEVANT COURSEWORK

Kaiser Aluminum (Capstone Project): Roll Management System | Python, Flask, HTML/CSS

- Developed a full-stack web application to collect data from an aluminum rolling machine and output data visualizations for factory workers, leading to increased reliability and consistency of data.
- Implemented an aluminum roller replacement alert using python scripts, resulting in faster response times effectively reducing the likelihood an old roller could damage the aluminum.

Independent Project: TuneShuffle

- Created a Flask API backend to gather song data from Spotify and deliver song

recommendations by using a clustering algorithm.

TECHNICAL SKILLS

Languages: *Python (expert), C++ (Proficient), Java (prior experience), JavaScript (Proficient), Bash Shell (Prior Experience), HTML (Proficient), CSS (Proficient)*

Frameworks: *Flask, Django, Spring, React.js, Node.js*

Databases: *MySQL, PostgreSQL, CouchDB, MongoDB*

Developer Tools: *Linux, Git/Github, Docker, Visual Studio Code, Azure DevOps, Jira*