

Wei Zhang

Software Engineer

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SUMMARY

A versatile Software Engineer with 4 years of experience building scalable backend services and data pipelines. Strong proficiency in Python and Rust, with a keen interest in distributed systems and data-intensive applications. A quick learner who is passionate about code quality, performance, and leveraging modern technologies to solve challenging problems.

STRENGTHS

Backend Systems: Designs and builds efficient and resilient backend services and APIs.

Data Pipelines: Experience in developing ETL/ELT pipelines for data processing and analytics.

Performance Focus: Utilizes languages like Rust to build memory-safe and high-performance components.

Collaborative Spirit: Works effectively in a team setting, contributing positively to code reviews and technical discussions.

TECHNICAL SKILLS

Languages: Python (Expert), Rust, SQL, Go

Frameworks & Libraries: FastAPI, Django, Pandas, Tokio

Cloud & DevOps: AWS (S3, Lambda, ECS), Docker, Git, CI/CD

Databases: PostgreSQL, Redshift, ClickHouse

Tools: Apache Airflow, dbt

PROFESSIONAL EXPERIENCE

Software Engineer | Amazon Web Services (AWS) | July 2021 - Present

Develops and maintains backend services for an AWS analytics product using Python and Rust.

Builds and optimizes data pipelines that process billions of events per day.

Writes clean, maintainable, and thoroughly tested code in a high-stakes production environment.

Collaborates with product managers and other engineers to deliver new features and improvements.

Junior Software Engineer | Shopify | May 2020 - July 2021

Contributed to the development of core e-commerce platform services in Ruby and Go.

Gained experience with large-scale distributed systems and relational databases.

Assisted in troubleshooting and resolving bugs reported by merchants.

EDUCATION

Bachelor of Applied Science in Software Engineering | University of British Columbia | 2016 - 2020