

Maxine Fonua

Backend engineer with 3+ years of full development cycle industry experience

maxinefonua@gmail.com

(650) 470-9016

San Jose, CA

TECHNICAL WORK EXPERIENCE

Adobe Inc, San Jose, CA — Software Development Engineer

JULY 2019 - SEPT 2022

Backend developer on Adobe's digital marketing platform (AEP) for Identity Services team handling ingestion, access and management of identity graph data for enterprise customers.

Goldman Sachs, New York, NY — Software Engineer Intern

JUNE 2017 - AUGUST 2017

Intern with Equities Data Platform, the engineering team building tools for high-scale analysis of equities transactions.

PROJECTS

Full-Stack Development of Voyager Web App

Designed and built an open-sourced travel app built on Spring, PostgreSQL, Thymeleaf and HTMX with a microservices architecture separating backend APIs from UI application. Consumes external APIs to source location data and animate map interaction. Currently working on deploying to AWS endpoint. [Link to GitHub Commons Repo](#)

Ingestion Queueing by Enterprise

Used Azure to stand up PostgreSQL DBs to transition ingestion metadata off NoSQL CosmosDB. Implemented allocation of Databricks resources by enterprise with multiple queueing tables. Rewrote data access layer, building in metrics for NewRelic alerts and dashboards.

IMPACT: Substantial cost-reduction of storage and access using PostgreSQL. Provided additional basis for product pricing by enterprise data size.

Time-sequenced Identity Graphs for Shared Devices

Developed a new customer-facing API in Spring Boot to manage user input shared device metadata. Upgraded existing APIs to reflect time-sequenced graph membership in responses.

IMPACT: Enabled beta-testing for real-time marketing strategies on shared devices, targeting currently logged in profiles.

HIGHLIGHTS

Object-oriented programming focused on code quality and reusability

Agile web development with emphasis on latency and reliability

Committed to a reputation as a knowledgeable teammate with excellent work ethic

TECH STACK

Proficient in Java. Experience in JavaScript, C++, C, Python, Scala

Web development with Spring Boot, JUnit, JMockit, Groovy, JaCoCo, Postman, HTMX, Thymeleaf, Bootstrap

CI/CD and troubleshooting with Spinnaker, Jenkins, Kubernetes, Grafana, Splunk

Database and resource management with Azure, PostgreSQL, CosmosDB, AWS

EDUCATION

Stanford University, Stanford, CA — B.S. Computer Science

SEPTEMBER 2010 - JUNE 2019

3.0 GPA with focus on Human Computer Interaction.