

Alex Maeda

Senior Software Engineer

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Profile

Full Stack Engineer with 9 years of experience scaling systems at Uber, Sofar Ocean, and Meta. Built Java microservices handling 2B+ monthly API requests and supported 100K+ patient trips/month and 2M+ orders/day with low-latency, high-volume backend systems at Uber. I am a problem solver and self-motivated, passionate about clean code and building reliable systems that make an impact.

SKILLS

Backend & APIs: Java (Spring Boot), Kotlin, Python, TypeScript/Node.js, Kafka, Spark, Flink, REST APIs, GraphQL APIs

Frontend: React, TypeScript, JavaScript, Angular, Mapbox, Leaflet

Databases: PostgreSQL, MySQL, Cassandra, Redis, DynamoDB

Infrastructure & DevOps: AWS (EC2, S3, RDS, Lambda), Docker, Kubernetes, Terraform, CI/CD, Git, Jenkins

Monitoring & Observability: Datadog, Prometheus, Grafana, ELK Stack

PROFESSIONAL EXPERIENCE

Software Engineer, Meta

12/2024 – Present | Seattle, WA

- Architected and scaled **Java (Spring Boot)** backend services on **AWS**, handling over 2B API requests/month, including **REST APIs** for internal and external services.
- Designed event-driven pipelines with **Kafka** and **Spring Cloud Stream**, supporting real-time updates with under 100ms latency across microservices.
- Integrated **OAuth2** login for Instagram onboarding, enabling 100M+ users to securely access services with **JWT** and **RBAC**.
- Deployed containerized services with **Docker**, **Helm**, and **Kubernetes**, managing CI/CD pipelines using **Jenkins** and **GitLab**, and infrastructure with **Terraform**.
- Enhanced observability with **Prometheus**, **Grafana**, and **Datadog** alerts, reducing incident response time by 60%.
- Collaborated with cross-functional teams including frontend engineers, product managers, and data engineers to design, implement, and deploy backend services, ensuring alignment on requirements and timely delivery.
- Mentored junior engineers on **Java** backend development, **REST APIs**, and cloud deployment, improving code quality, onboarding speed, and team productivity.

Software Engineer, Sofar Ocean

01/2022 – 11/2024 | San Francisco, CA

- Led backend services and **GraphQL APIs (TypeScript/Node.js)** for ingestion and visualization of real-time oceanic and atmospheric data from distributed Spotter buoys.
- Developed data processing pipelines using **Python**, **NumPy**, **Pandas**, **GeoPandas**, and **Apache Spark**, enabling large-scale analysis of real-time oceanic and atmospheric data from Sofar's Spotter buoy network.
- Created internal dashboards and mapping apps (**React**, **Mapbox**, **Leaflet**), enabling scientists and operations teams to monitor buoy health and environmental data.
- Deployed cloud-based systems on **AWS (EC2, S3, RDS, Lambda)** with **Docker** and **CI/CD** pipelines, ensuring reliable data ingestion and processing.

Software Engineer II, Uber

01/2020 – 01/2022 | Seattle, WA

- Built **Java** backend services and **Python** automation pipelines for Uber Health, supporting over 100K patient trips/month with **HIPAA-compliant** scheduling, trip tracking, and provider integrations.
- Implemented **Kafka** streaming and **Redis** caching to enable real-time trip updates and improve API response times by 63%.
- Developed **REST APIs** and **React** dashboards for healthcare providers, improving operational efficiency and on-time pickups.
- Optimized **MySQL** queries and automated operational reporting, reducing manual effort.

Software Engineer I, Uber

05/2017 – 12/2019 | Seattle, WA

- Developed backend **microservices** and **Python/Kafka** pipelines for Uber Eats, handling ~2M orders/day, including order placement, restaurant availability, and delivery assignment.
- Implemented database schemas, stored procedures, and **Spring Boot** batch jobs for financial reconciliation, improving accuracy and efficiency of payments and settlements.
- Built **REST APIs** and internal dashboards (**React/JS**) for monitoring orders and operational performance.
- Optimized **MySQL** and **Cassandra** queries and caching to ensure low-latency responses for high-volume endpoints.

Software Engineering Intern, Google

05/2016 – 08/2016 | Mountain View, CA

- Built **Python** backend modules integrating **Google Classroom** with **Calendar** services.
- Developed responsive user interfaces using **Angular**, ensuring seamless integration with Google's design language and performance standards.

EDUCATION

Carnegie Mellon University,

Bachelor's Degree, Electrical and Computer Engineering

09/2012 – 05/2016 | Pittsburgh, PA