

Kamran Orhun

Email : kamuran12580@gmail.com

Location: Washington DC

Github: <https://github.com/Kapperchino>

Linkedin: <https://www.linkedin.com/in/kamran-orhun-578078120/>

EXPERIENCE

• Oracle

Austin, TX

Senior Member of Technical Staff

December 2021 - current

- Designed and shipped a multi tenant streaming service to lower streaming cost by over 40% for the fusion org.
- Developed multiple scalable distributed system to run in kubernetes with telemetry including metrics and tracing.
- Designed and implemented a stateful service using rocksDB to increase throughput by over 5x and decreasing latency by over 50%.
- Designed and implemented a control plane resource manager to dynamically allocate and scale resources based on load.
- Used Java for the services, and used GRPC and REST depending on the services.

• Amazon

Seattle, WA

Software Development Engineer

May 2020 - October 2021

- Designed and shipped a cross team project to support scaling Amazon Ad Servers for more than 300%.
- Maintained and developed distributed streaming systems for Amazon ad servers.
- Scaled and maintained one of the worlds largest Kafka Clusters.
- Resolved issues affecting fortune 500 companies.
- Designed, programmed, tested, and shipped micro services to reduce noisy neighbor issues by over 25%.

PROJECTS

• Jet Streaming System

- Distributed streaming system similar to Kafka.
- Used raft protocol for consensus and replication.
- Used gossip protocol for node discovery and meta data propagation.
- Built with golang and badger for disk storage.

• Subspace

- Social media similar to reddit with threads and communities.
- Using Flutter for frontend and golang for backend.
- Using postgres and S3 for storage.

• Microsoft Terminal Contributor

- Added new functionalities and fixed an issue for Microsoft Terminal.

PROGRAMMING SKILLS

• **Languages:** Java, Go, C/C++, Javascript, SQL, C#, Python, Bash

• **Technologies:** AWS, OCI(Oracle Cloud), GCE, Kafka, Kinesis, Kubernetes, DynamoDB, GRPC, Containers, NoSQL, Git, Unix, Docker, Springboot, Raft, OpenTelemetry, REST

EDUCATION

• George Mason University

Fairfax, VA

Bachelor of Science in Computer Science

Sep. 2016 – May. 2020