

Aaron Lee

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RELEVANT EXPERIENCE

DigitalOcean

Sep. 2022 – Present

Spaces S3 Software Engineer II

San Diego, CA

- Worked with UI engineering to design and develop bucket keys for Read Only / Read Write access to S3 Buckets
- Integrated with other services (Temporal, Sentry, Prometheus, CockroachDB) to improve product reliability and performance
- Implemented a Rust cli and webapp to interface with Golang grpc servers
- Reduced latency in the distributed rate limiting service by 75% in p99.9
- Decreased downtime and increased uptime when upgrading load balancers by integrating Katran
- Developed a CDN service with new vendor and seamlessly migrated customers over

Containers Engineer Intern

Summer 2021

- Refined Grafana / Elasticsearch dashboards for monitoring
- Upgraded the internal admin dashboard for the Container Registry product
- Utilized Docker, Kubernetes, and gRPCs to add more services and information to the dashboard about a user's registry

Google

Summer 2020

Software Engineer Intern

Mountain View, CA

- Worked on The Everyday Robot Project, under X, the Moonshot Factory
- Developed a React Web App to run on the Oculus VR Headset
- Utilized three.js to render 3D objects in a VR scene
- Designed the app as a prototype for future releases

ServiceNow

Fall 2019 – Spring 2020

Assoc Software QA Engineer

San Diego, CA

- Helped run and automate JMeter tests to assert product performance
- Continued monitoring and deploying the summer internship project

Quality Engineer Intern

Summer 2019

- Developed automated performance tool on ServiceNow platform
- Improved workflow for over 100 engineers
- Utilized Node.js, JavaScript, and JMeter/Blazemeter

MemVerge

Summer 2018

Software Engineer Intern

Milpitas, CA

- Wrote a performance test in Java measuring efficiency of software solution on servers
 - Explained to clients such as LinkedIn and Intel the improved speeds and costs with product solution
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OTHER TECHNICAL PROJECTS

Rust Gateway

Fall 2024 – Present

- S3-Compatible API Index Gateway
- A Metadata indexer for S3 operations, powered by Rust, Postgres/Yugabyte/Cockroach, Ceph/S3

ZapInvest.xyz

Summer 2024 – Present

- Stock Charts and RAG AI on text documents, powered by Next.js, Golang, YugabyteDB, Vault
 - Integrated Vault and YugabyteDB into a kubernetes cluster
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SKILLS

Golang, Rust, Temporal, MySQL, CockroachDB, Grafana, Java, JavaScript, Node.js, Python, C++, Three.js, Docker, Kubernetes, gRPC, Elasticsearch, Chef, Oculus Quest, React

EDUCATION

UC San Diego, M.S. Computer Systems & B.S. Computer Science

San Diego, CA