Jay Lim

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PROFESSIONAL SUMMARY: Talented full-stack/backend software engineer with over 3 years of proven leadership experience as a team tech lead, supporting a team of 6 individuals. Consistently and timely delivers business value on projects.

EXPERIENCE

Signifyd   **Jan 2024 - Present**
Staff Software Engineer, Team Tech Lead   Remote
- Delivered a presentation to Signifyd's engineering staff on decisioning architecture at the company offsite.
- Trained an 8-person team in Belfast on Decision Center codebase, expediting their onboarding process.
- Re-architected microservice infrastructure, reducing operations/infrastructure cost by $1000/month.
- Reduced merchant onboarding time by 83% (6 days → 1 day) and eliminated the need for support tickets.
- Led upgrade of backend microservices to **Java 21**, enabling adoption of latest third-party dependencies.

Signifyd   **Jan 2022 - Jan 2024**
Senior Software Engineer, Team Tech Lead   Remote
- Improved reliability of Decision Center simulations by eliminating a single point of failure, reducing failed runs from ~2 per week to zero. Enhanced performance by parallelizing task execution across multiple pods.
- Led effort to eliminate 5xx errors across services, mitigating 70% of exceptions from **Cassandra** and 95% from **AWS ELB**. Resolved intermittent **MySQL** issues caused by page cleaner activity.
- Developed **code generation** for **machine learning feature descriptions**, eliminating human error and improving organization-wide efficiency. Widely adopted by engineers and data scientists as a critical tool.

Signifyd   **Oct 2020 – Dec 2021**
Software Engineer   Remote
- Investigated root cause of a poorly performing **MYSQL** query and reduced p99 latency from 1.2 sec to 50 ms.
- Led tech debt project to refactor HTTP authorization/authentication which unblocked upgrading version of **Play!** framework to v2.7.9.
- Consistently participated in engineering on-call rotations, adeptly resolving customer-facing incidents promptly and effectively, even during weekends and off-hours.

HaloSentient   **Sept 2018 – Aug 2020**
Fullstack Developer   Remote
- Implemented mobile friendly ecommerce marketplace website using **React/Redux** with hooks, **Node.js**, **Typescript**, **Firebase**, and **Stripe** as the payment processor.
- Designed and developed full stack web app using **React**, **MongoDB** and **Socket.io** for real-time UI updates.
- Audited (QA) for interview-based web (**Angular/Node.js**) & mobile (**Swift** & **JAVA**) application by testing client & reading source code. Identified and reported multiple exploit avenues in web application.

Education

University of California, San Diego   Chemical Engineering B.S./**Computer Science** minor

SKILLS

- **Proficient Skills:** Java; Typescript/Javascript; Python; React; Redux; Node.js; SQL; NoSQL; gRPC; microservices; Cassandra; MongoDB; Linux; Git; k8s; Docker; AWS; GCP; Terraform; IaC; VIM; Functional Programming; OpenAPI
- **Familiar Skills:** Gradle; Airflow; Golang; Play! Framework; PHP; C; C++; Angular; Flask; SASS; Matlab; Swift