ROBERT LIN

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Software Engineer IC4 | Sourcegraph, Inc.
March 2023 - Present

TECH LEAD, CORE SERVICES TEAM | Go, Kubernetes, Terraform & CDKTF, GCP — Remote

- TODO
- TODO

Software Engineer IC3 (Senior) | Sourcegraph, Inc.
April 2022 - February 2023

TECH LEAD, CORE SERVICES TEAM | Go, Kubernetes, Terraform & CDKTF, GCP — Remote

- TODO
- TODO

CLOUD TEAM | Go, Kubernetes, Terraform & CDKTF, GCP

- Enabled the operation of 100+ Sourcegraph deployments by building custom tooling and designing a new Kubernetes controller and infrastructure management model for automating instance operations
- Delivered out-of-the-box email infrastructure for product features to drive user adoption, leading the proposal, vendor review, security assessment, and implementation of automated configuration

DEVELOPER EXPERIENCE TEAM | Go, Kubernetes, OpenTelemetry, GCP

- Streamlined application observability and observability tooling compatibility by leading the standardisation of log output, telemetry provenance, and building deep integrations with OpenTelemetry infrastructure
- Stabilized CI pipelines by implementing a custom build agent scheduler for scalable and stateless agents

Software Engineer IC2 | Sourcegraph, Inc.
July 2021 - March 2022

DEVELOPER EXPERIENCE TEAM | Go, PostgreSQL, API Integrations — Remote

- Designed and implemented a 10x faster algorithm and scaling database queries to mirror permissions from GitHub instances with 5k+ users and 10k+ repositories, enabling one of Sourcegraph's largest sales deals
- Made extensive contributions to Sourcegraph's dev tool, continuous integration, and observability ecosystem

Software Engineer Intern | Sourcegraph, Inc.
May 2020 - Jan 2021

DISTRIBUTION TEAM | Go, TypeScript, GraphQL, Prometheus, Docker — Remote

- Worked on framework for engineers to define monitoring for their services which automatically generates dashboards, alerts, and documentation for use in monitoring Sourcegraph.com and on-premise deployments
- Enabled customers to easily configure alerting by creating a sidecar service packaged with Alertmanager

Software Developer (Part-Time) | Sumus Properties Group Ltd.
Oct 2019 - March 2020

INNOVATION TEAM | JavaScript, TypeScript, NodeJS, MongoDB, React — Remote

Software Engineer Intern | Riot Games, Inc.
May 2019 - Aug 2019

DEVELOPER EXPERIENCE: OPERABILITY | Go, JavaScript, React, Monitoring — Los Angeles CA, United States

- Standardized how alerts are defined by hundreds of microservices by writing an RFC and driving cross-team discussions on a specification for defining alerts, as well as implementing and rolling out the design

Software Engineer (Part-Time) | RTrade Technologies Ltd.
Sept 2018 - April 2019

CORE DEVELOPMENT | Go, PostgreSQL, Docker — Remote

Bioinformatics Co-op | Michael Smith Genome Sciences Centre
Jan 2018 - Aug 2018

BIOINFORMATICS QUALITY CONTROL | JavaScript, NodeJS, Python — Vancouver BC, Canada

EDUCATION

University of British Columbia
Vancouver, British Columbia

B.Sc. in Mathematics — Sept 2016 - May 2021