

ROBERT LIN

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Software Engineer IC4 | Sourcegraph, Inc.

MARCH 2024 - PRESENT

TECH LEAD, CORE SERVICES TEAM | GO, KUBERNETES, TERRAFORM & CDKTF, GCP

REMOTE

- TODO
- TODO

Software Engineer IC3 (Senior) | Sourcegraph, Inc.

APRIL 2022 - FEBRUARY 2024

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