

# Joseph Lewis III

Software Engineer – Seattle, Washington

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## Experience

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### Cruise

Seattle, Washington

Senior Security Software Engineer II

10/2023 – 06/2024

Worked in the privacy organization automating data subject rights and improving technical foundations.

- Rebuilt Cruise's DSR service (Python) resolving data quality issues and allowing legal to self-service assurance audits.
- Designed and built an API gateway between a privacy vendor and Cruise's product teams mapping their JWT/GraphQL based system into REST and Cruise's in-house Envoy & OPA auth system.
- Raised the bar for the team's microservices by setting up and/or standardizing credential management, Helm charts, monitoring, Terraform, and CI.

### Google

Seattle, Washington

Engineering Manager

05/2022 – 09/2023

Led a team of six owning own two GA Kubernetes products while delivering a new production service.

- Led planning and development of an internal service enabling end-user programmability in other Google products to support 18 partner teams.
- Improved team morale by defining a clear scope, product roadmaps, and creating a psychologically safe team atmosphere leading to all team metrics being +9-16pp vs Google.
- Stabilized our legacy products by setting up a robust on-call, playbooks, and release qualification pipeline.
- Worked with a key customer to scope and deliver features driving an additional \$5M in annual recurring revenue.

Senior Software Engineer

04/2021 – 05/2022

Led security and privacy hardening across engineering teams at Google Domains prior to Squarespace acquisition.

- Audited and mitigated security & privacy risk in the product's code, cloud infrastructure, config, and manual processes.
- Established a cross-team working group to give security a "seat at the table" during engineering reviews and planning.
- Designed, implemented, and launched a large scale refactor enabling DNSSEC DNSKEY cryptography support in the product.

Senior Software Engineer

02/2018 – 04/2021

Founding member and tech lead for a team building a Cloud Foundry compatible PaaS on Kubernetes.

- Created a long term product roadmap and related component designs to build enterprise management functionality into Kubernetes.
- Built Kubernetes controllers and a CLI in Go to orchestrate K8s, Istio, Tekton CI, and Buildpacks.
- Worked with customers to plan their migrations and move 40,000 app instances to the platform.
- Wrote technical documentation and how-to guides published on cloud.google.com.

### Liberty Mutual

Seattle, Washington

Senior Software Developer

06/2016 – 02/2018

Migrated our legacy COBOL mainframe agency commission system to Spring Boot allowing business to improve profitability through new commission programs.**Key Technologies:** Spring Boot, Java, Vue.js, Apache Camel, ETL, various SQL dialects.

## Education

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**Purdue University**  
*MS, Computer Science*

**Lafayette, Indiana**  
*2014 – 2016*

**University of Denver**  
*BS, Computer Science*

**Denver, Colorado**  
*2010 – 2014*

## Other

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**2021:** Author: "Containerizing Arbitrary Applications", Technical Disclosure Commons – Outlining a method to containerize applications and their dependencies using 'ptrace'.

**2019:** Google Feat of Engineering Award Recipient for driving revenue via OSS integrations.