

THOMAS HANSEN

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EXPERIENCE

Grindr

November 2022 - August 2023

Principal Software Engineer

Remote

- Lowered search costs by 300% by changing database types and with PostgreSQL partial indexes, partitions
- Standardized logging across 70+ services and trained team on Datadog logs, dashboards and metrics
- Created high performance Kotlin API endpoints handling millions of requests per minute.
- Reduce CPU of search service by 50% by adding OpenTelemetry API tracing to fix hotspots
- Fostered a culture of AWS cost transparency and educated others about costs of technical architectures
- Moved prod databases from MySQL to PostgreSQL and across regions without taking any downtime.

Airbnb

January 2020 - October 2022

Senior Software Engineer

San Francisco, CA & Remote

- Migrated major features from a monolithic Ruby-on-Rails to Java microservices using GraphQL facade
- Protected user data using custom permission system modeled after Google's Zanzibar authorization system
- Trained new hires with 1:1 mentoring as well as created and presented knowledge sharing sessions to teams
- Regularly on-call and maintained 99.99% uptime for all Experiences services
- Launched new Experience's pricing flow E2E to support unique prices per user

BitGo

September 2017 - November 2019

Lead Software Engineer

Palo Alto, CA

- Interviewed 40+ candidates, led team of 7 engineers, managed backlog and coordinated with PMs.
- Designed and implemented accounting system to store customer balances via cryptographic proof.
- Improved Node.js api platform and cut NPM dependencies in half to simplify system and improve security.
- Migrated stack to Kubernetes with optimized Docker images, Helm, and AWS ECR.
- Created 25+ new API endpoints, reviewed addition of 50+ endpoints, including both HTTP and gRPC.

Google

June 2016 - August 2017

Software Engineer

Mountain View, CA

- Improved google.com phone ads by implementing features in multi-million line C++/Java codebase.
- Increased click-to-call ad impressions by 0.5% by reducing restrictions on co-triggering.
- Proactively improved code quality by removing legacy feature flags and upgrading end-to-end tests.

EDUCATION

Brigham Young University

September 2010 - April 2016

Bachelor of Science, Computer Science: Minors: Mathematics, Management

Provo, UT

- GPA: 3.97/4.0, Recipient of Heritage Scholarship (8 semesters - full tuition).
- 1st Place at Microsoft BYU Coding Challenge — 5th Place at 2014 ACM ICPC Rocky Mountain Regional
- June 2011 - June 2013: performed volunteer service as full-time missionary in Guatemala

TECHNICAL STRENGTHS

JavaScript Map Reduce Spinnaker Kotlin Java MongoDB
Linux React
Node.js Hive/Presto TypeScript Kubernetes Python Nginx Git
Docker Go

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