

## SUMMARY

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25 years of experience in systems automation, open source, and building user-focused engineering teams

## EXPERIENCE

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### Equinix Metal

» *Senior Engineering Manager, Provisioning Team* — 2021

- Oversaw DevOps team responsible for our core customer product: machine provisioning
- Introduced SRE practices: reduced paging incidents by 6.5X, increased on-call rotation size by 3.5X
- Assisted with community relations for our open-source project, [Tinkerbell](#) (CNCF)
- Defined a new triage process that reduced open-source communications latency from 44d to 4.8d
- Collaborated with other teams to adopt new deployment strategies to improve velocity
- Deprecated projects that no longer fit our strategy & personally cleaned up large Go codebase

### Google, Inc.

» *Engineering Manager, Container DevEx* — 2019 to 2021

- Managed 10-person team responsible for open-source Kubernetes developer tools
- Consulted and collaborated with teams throughout Google to build a cohesive developer experience
- Built fun, productive and robust remote work culture to help team thrive
- Actively coached engineers, ran hackathons, built roadmaps, reviewed performance and created a safe environment

» *Senior Software Engineer, Container DevEx* — 2018 to 2019

- Led and launched [minikube](#) v1.0: the most popular local Kubernetes environment
- Created [Triage Party](#) project to promote active listening within open-source communities
- Participated in upstream Kubernetes development via SIG Cluster Lifecycle
- Presented at KubeCon Seattle 2018, KubeCon Shanghai 2019 and KubeCon San Diego 2019

» *Tech Lead/Manager, Security* — 2016 to 2018

- Managed team responsible for revolutionizing ACL management at Google
- Built and improved self-service web applications for ACL provisioning
- Fostered SRE culture within security by hosting training, writing playbooks, post-mortems, and SLOs

» *Senior Systems Engineer, SRE* — 2006 to 2014

- Tech lead for effort to decentralize cluster automation: accelerating turn-up by 10X and saving \$XX million USD a year
- Created production simulation environment to continuously ensure Google's cold start ability
- Worked with teams to identify and eliminate cyclical dependencies in production infrastructure
- On-call for base compute infrastructure (authentication, mdb, installers, etc.)

### Verizon (Alltel)

» *Operating Systems Programmer* — 2005 to 2006

- Created monitoring platform for systems health, security and configuration across 1000+ nodes
- Introduced modern engineering practices (revision control, collaborative docs) to highly regulated IT department
- Member of on-call team for the UNIX fleet (Linux, Solaris, HP-UX, AIX)

## Indiana University, School of Chemistry

» *UNIX Coordinator* — 2003 to 2005

- Tech lead for school's initiative to adopt High Performance Computing
- Designed and maintained Linux clusters, built job control environments (SGE, Condor)
- Created high-throughput workflow engine for protein analysis, self-service tools for batch scheduling and resource reservation
- Lead security contact and incident responder

## Bell & Howell

» *Senior UNIX Administrator* — 2001 to 2003

- Managed fault-tolerant clusters for large engineering firm
- Completed multi-year migration of mission critical services from HP-UX to Solaris & Linux
- Replaced proprietary tools with open source equivalents when appropriate: lowering costs and extending capabilities

## Internet Commerce Corporation (RTCI)

» *Senior Systems Administrator* — 1998 to 2001

- Led team building SaaS from data center layout to software stack
- Implemented an EDI/X12 interchange for the Internet era (S/MIME, POP3 and FTP)

## Royal Institute of Technology (Kungliga Tekniska Högskolan)

» *UNIX Administrator* — 1997 to 1998

- Maintained build environment for C, C++ and Erlang programming classes
- Provided security consulting and incident response through CERT-SE

## SKILLS

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- **Management:** Empathetic leadership, OKR planning, performance management, mentoring, team building
- **Operating Systems:** Linux, FreeBSD, NetBSD, macOS, Windows and a ridiculous number of other platforms
- **Job Control Systems:** Kubernetes, Borg, Condor, Sun Grid Engine
- **Programming Languages:** Go, Python, Perl, Ruby, shell, PHP, C, TCL, Javascript
- **Open Source:** Kubernetes, Triage Party, occasional contributor to everything from Firefox to zsh
- **Cloud:** AWS EC2 and Google Compute Engine, Cloud Run, Kubernetes Engine, AppEngine

## EDUCATION

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- **2003: North Carolina State University** - Raleigh, NC
- **1996-97: Kungsholmens Gymnasium** - Stockholm, Sweden