

# Christian Haumesser, Technologist // Software Engineer

*I partner with business and product leaders to manifest great ideas in software, coaching engineering teams to build class-defining products of social and economic value that are reliable, scalable, and fit to purpose.*

## Personal Strengths

- Emotional Intelligence
- Growth Mindset and Change Management
- Collaboration, Team-Building, and Mentorship
- Complex Reasoning and Information Synthesis
- Innovation and Entrepreneurship
- Persuasive Writing, Presenting and Communicating Ideas
- Optimizing Developer Experience
- Technical Breadth and Commitment to Excellence

## Summary of Qualifications

- Software Development & Operations: 10+ Years
- Coaching, Mentorship and Management: 10+ Years
- Agile Methodologies: 10+ Years
- Business/Technology Strategy: 8 Years
- Site Reliability Engineering (SRE): 8 Years
- Cloud Architecture and Development: 7 Years

## Languages and Technologies

- GNU/Linux
- Agile / SDLC
- CI/CD
- Google Cloud (GCP)
- Python
- Amazon Web Svcs (AWS)
- Docker
- Go
- Kubernetes / GKE
- SQL (MySQL/Postgres)
- Terraform / IaC
- JavaScript/TypeScript
- Google BigQuery
- React
- Java
- Cassandra

## Professional Certifications

- [Professional Cloud Architect](#) (Google)
- [Certified Engineer #E02C50C4](#) (Saltstack)

## Contact

- <https://cv.wryfi.net/contact>
- <https://linkedin.com/in/chrisaumesser>

Please visit <https://cv.wryfi.net> for the most current information, or to download in a different file format.

## Experience

### Director of Software Engineering, [UrbanFootprint](#), 2022-09-19 – 2023-09-30

*As Director of Software Engineering, I led full stack engineering teams to deliver B2C, B2B, and internal software products, and ...*

- coached software teams to expand business impact by improving code, design, collaboration, and planning skills
- designed systems, architectures, projects, and SDLC to align development with enterprise/product strategy
- created leveling frameworks, staffing plans, and career development protocols to evaluate and expand talent
- solicited and evaluated engineering proposals for cost and business impact to optimize sequencing and efficiency
- expanded opportunities for collaboration, especially with data science/AI team, to effectively leverage talent
- reviewed Typescript, Python, Go, Terraform code, assuming final ownership for quality, design, and operations
- formulated company and team goals with metrics and feedback loops to align cross-functional delivery
- provided strategic guidance to leadership, influencing product, finance, customer success, and company culture
- contributed to SOC-II compliance, designing systems and architectures to meet customer data privacy expectations

### Staff Software Engineer (Cloud), [UrbanFootprint](#), 2022-07-01 – 2022-09-18

*As Staff Software Engineer (Cloud), I automated multi-cloud infrastructure in AWS and GCP using Terraform and Go, and ...*

- authored engineering proposals advocating for SRE practices to improve reliability and efficiency
- improved Git operations by standardizing branching strategies, reducing developer overhead and toil
- developed and improved CI/CD processes to accelerate delivery and reduce toil (GitHub Actions & Jenkins)
- led migration of self-hosted AirFlow DAGs to GCP Cloud Composer, improving operational agility and reducing costs
- wrote Go tool to automate blue/green deploys with Cloud Run and Terraform Cloud to improve delivery confidence
- created, maintained, and managed IaC assets in Terraform for version-controlled, repeatable infrastructure ops
- improved multi-cloud ops (AWS/GCP), reducing overhead by standardizing tooling and planning for consolidation

### Director, Platform & Engineering, [Public Library of Science \(PLOS\)](#), 2020-09-14 – 2021-08-15

*As Director, Platform & Engineering, I aligned and streamlined technology operations to support PLOS's business and cultural objectives with world-class software and systems, and ...*

- directed a team of 25 and multi-million dollar budget, unifying enterprise technology operations for the first time
- coached managers and engineers to expand business impact by improving technical, collaboration, and planning skills
- completed cloud migration, eliminating data center and reducing overhead, delivering 50%+ annual savings
- streamlined operations for 25% leaner teams to focus on business logic and innovation while maintaining continuity
- evaluated build/buy/partner decisions and negotiated contracts, further reducing overhead and expenses
- balanced feature development with internal/technical initiatives to continuously deliver stakeholder value
- formulated company and team goals with metrics and feedback loops to align cross-functional delivery
- created strategic staffing, training, and execution plans to identify capability gaps and revitalize teams
- designed systems, architectures, projects, and SDLC to align development with enterprise/product strategy
- popularized distributed work policies and practices with other teams to improve enterprise pandemic continuity

### Senior Engineering Manager, [Public Library of Science \(PLOS\)](#), 2019-09-02 – 2020-09-13

*As Senior Engineering Manager, I consolidated disparate DevOps and software teams under common leadership and matrixed agile squads, initiated a comprehensive cloud migration, and ...*

- refined requirements, compiled estimates, and coordinated priorities with product managers to build great features
- mentored engineers via code reviews, Git insights, and constructive feedback to expand business impact
- guided team through business model and staffing transformations, maintaining continuity and productivity
- transformed team morale and productivity by providing a framework for defining values and engineering practices
- coached squads through process optimizations and transformational projects for faster, more efficient delivery
- proposed and designed "move-and-improve" cloud migration to GCP/GKE to reduce overhead and costs
- prototyped Kubernetes manifests, Terraform states, GitLab CI/CD pipelines to demonstrate feasibility of migration
- led "unconference" of hackathons, demos, workshops to validate cloud strategy and align engineering team
- persuaded leadership to adopt cloud migration proposal by quantifying savings and planning for continuity
- expanded and improved distributed workforce policies and practices to ensure continuity during COVID pandemic

## Reliability Engineering Manager, [Public Library of Science \(PLOS\)](#), 2018-12-17 – 2019-08-31

*As Reliability Engineering Manager, I served as chief architect for configuration management, infrastructure automation, and developer tools, accountable for global operations reliability, and ...*

- aligned development and operations by coordinating cadences, release schedules, and sharing between teams
- introduced Site Reliability Engineering (SRE) practices to optimize reliability and reduce toil
- led standardization and automation efforts across development and operations to improve operational efficiency
- expanded the team's business impact by recruiting, mentoring engineers through code reviews, peering, and training
- experimented with cloud services (AWS, GCP) and IaC tools (CDK, Pulumi, Terraform) to prepare for the future
- quantified and modeled costs of hardware and software platforms to lay groundwork for cloud computing

## Senior DevOps Engineer, [Public Library of Science \(PLOS\)](#), 2015-06-01 – 2018-12-14

*As Senior DevOps Engineer, I was hired to bring modern DevOps practices to PLOS's bespoke datacenter environment, and ...*

- implemented configuration and lifecycle management for bare metal environment using Saltstack and Python
- contributed to modernizing infrastructure to run on Nutanix/VMWare with Hashicorp Consul and Vault
- created tools in Python and Go for automating infrastructure, managing environments, and integrating with CI/CD
- advocated for adoption of DevOps practices, CI/CD, Infrastructure as Code, and cloud computing
- planned and executed deployments of complex distributed systems and highly available applications
- integrated observability and telemetry tools (Prometheus, Kibana, NewRelic, PagerDuty, etc.)

## Director of DevOps, [Lucid Design Group \(now Atrius\)](#), 2009-12 – 2014-10

*As Director of DevOps, I functioned as chief architect for DevOps and infrastructure tools and manager of the DevOps team, with responsibility for the global delivery and architecture of rapidly-growing BuildingOS platform.*

## Systems Administrator, [Kapor Enterprises, Inc.](#), 2003-12 – 2006-07

*As Systems Administrator, I managed gnu/linux and windows systems for Open Source Applications Foundation, Level Playing Field Institute, Mozilla, and other Kapor associated nonprofits.*

## Volunteer Activities

### Director Emeritus, [IO Coöperative](#), 2015-12 – present

*As Director Emeritus, I advise active board members on technology, policy, and governance matters.*

### Co-Founder, Board Chair & Secretary, [IO Coöperative](#), 2012-08 – 2015-12

*As Co-Founder, Board Chair & Secretary, I co-founded, bootstrapped, and led a consumer technology coöperative, and ...*

- motivated community leaders and members to formalize activities as a corporation
- led business strategy, startup, and incorporation activities
- chaired board meetings, managed business agenda, kept corporate records, prepared annual reports
- engaged legal counsel to successfully avoid baseless DMCA-related lawsuit

## Education

### Juris Doctor, [Santa Clara University](#), 2006-08 – 2009-05

- Articles Editor, Santa Clara Law Review
- Certificate in Public Interest Law
- Broadband Institute of California, Northern California Innocence Project

### Bachelor of Science, Public Affairs, [Indiana University](#), 1999-08 – 2002-08

- Washington Leadership Program, class of 2001