# 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](https://www.credential.net/e6745e87-227d-49fd-ba20-1681408071dc) (Google)
* [Certified Engineer #E02C50C4](https://ssc.saltstack.com/) (Saltstack)

## Contact

* <https://cv.wryfi.net/contact>
* [https://linkedin.com/in/chrishaumesser](https://linkedin.com/in/chrishaumessser)

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](https://urbanfootprint.com), 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](https://urbanfootprint.com), 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)](https://plos.org), 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)](https://plos.org), 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)](https://plos.org), 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)](https://plos.org), 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)](https://buildingos.com), 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.](https://www.kaporcapital.com), 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](https://iocoop.org), 2015-12 – present

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

### Co-Founder, Board Chair & Secretary, [IO Coöperative](https://iocoop.org), 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](https://law.scu.edu/), 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](https://oneill.indiana.edu), 1999-08 – 2002-08

* Washington Leadership Program, class of 2001