

# Timh Bergström

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I'm an *experienced infrastructure engineer* and *Linux expert* with over two decades of documented experience with systems, data center and edge networking, configuration management, platform engineering and have led multiple teams. I am an advocate for "automate everything" and simplify error prone processes (i.e KISS principle). I always strive to reduce complexity, and often cost, as well as minimizing the amount of active alerts and errors in any given platform, the signal to noise ratio is one of my most important metrics.

**I'm open to interesting remote or hybrid opportunities as well as contract and consulting work in or around Ho Chi Minh City, Vietnam, especially within the IaaS, PaaS, Startups, AI, Security, Web3/DeFi, FinTech, DevOps, SRE or platform engineering.**

My areas of expertise include Cloud Infrastructure from AWS and GCP, Platform Automation, Linux system administration, Networking design and management, Security penetration testing, Monitoring, Statistics, Virtualization Platforms, Database Systems, Massive Network Storage, Zero-downtime and High-Availability platforms. Web3 and DeFi software and blockchain relevant software.

I use multiple programming languages and tools, including python, go and bash. I'm very familiar with automation tools such as ansible, terraform, argocd. I'm comfortable with most orchestration software including kubernetes and ecs, I'm well versed with monitoring systems like grafana, cloudwatch, datadog and much more.

I'm a lead by example manager, and respect the wish to grow and learn certain roles better. I am always the calm center in any crisis and will focus on solving the problem, while delegating what I can. I'm a teacher always.

## Work Experience

### Technical Lead • Network Security/VPN Business

May 2025 - Present | Ho Chi Minh City, Vietnam (remote)

- Establish and maintain reliable, discreet and end-to-end encrypted communication channels for users in restrictive and/or freedom of speech hostile environments. Relying solely on well audited and trusted open source software, with verifiable security and feature claims through transparent configuration pipelines and tools available for review by customers and clients. Linux, Ansible, Go, Postgresql, Python

## **Contract: Senior DevOps Engineer/SRE • Chronicle Labs Protocol**

October 2024 - June 2025 | Switzerland (remote)

- Manage cloud and hosted infrastructure for the chronicle oracle suite of applications, RPC nodes and other blockchain services. Kubernetes, ArgoCD, Helm, Ansible, Terraform, Grafana, HCL Vault, Web3/DeFi tools

## **DevOps, AI/ML Research, Cybersecurity**

January 2022 - October 2024 | Ho Chi Minh City, Vietnam (remote)

- Research and improve AI agents ability to interpret work orders and rules of engagement, perform penetration testing tasks within given permission set and try to non-destructively exploit any found vulnerabilities, collect evidence and information for attending security engineers. Linux, Ansible, Terraform, Python, PyTorch, Ollama, Cuda.

## **Contract: Senior DevOps Engineer • Parsly**

August 2023 - December 2023 | Stockholm, Sweden (remote)

- Manage AWS existing cloud infrastructure - fix where necessary and reduce costs where possible. Set up reliable monitoring, create and migrate to a more production ready, scalable infrastructure, following best current practices with Github CI/CD, IaC and Configuration Management. Linux, AWS Lambda, Kotlin, AWS Aurora, Loadbalancers, Route53

## **Contract: Senior System Administrator • IntelliSys Aviation**

May 2023 - August 2023 | Ho Chi Minh City, Vietnam (hybrid)

- Maintain existing infrastructure spread over VMWare cloud and AWS cloud, windows servers and microsoft sql database. AWS provided point-to-point connections with physical firewall/VPN terminators, IPSec to each client and very extreme use of AWS firewalling systems, WAF, Route53 etc. Prepare technical examples and create proposals for implementing industry standard tools to aid in stability, performance and maintainability of infrastructure. Showcase IaC and configuration management. Demonstrate the importance of visibility into performance and functionality. Improved the signal to noise ratio in monitoring and alerts.

## DevOps Engineer • Ryte

January 2022 - February 2023 | Ho Chi Minh City, Vietnam (hybrid)

- Maintain existing AWS cloud infrastructure. Architect and implement new infrastructure for a completely new data lake together with the data platform team, that would handle tens of millions of loglines per day, perform a complex ETL pipeline, then make educated guesses on user behavior, clicks, ctr, cpm and earnings etc per page visit to show to the customer. AWS, Terraform, GitHub, CDK, Athena, Typescript

## Founder, Techlead • TBTech

October 2015 - June 2022 | Bangkok, Thailand - (hybrid)

- **Sapiar**: Teacher-student-(stakeholder)parent coordination system. Teachers could use it to advertise their services. They could use it to schedule their classes/tutoring time, they could summarize and make invoices sent directly to the students' guardian. Students could use it to see class schedules, contact teachers about anything, download course material and see if their performance is as expected. Stakeholders, usually parents, could see schedules, which lessons or classes the student was there, or not, as well as report absentia if the student couldn't attend for a while. They could also follow progress, find and schedule more or fewer classes as well as settle their accounts and fees.
- **Aeromotorcy**: listings service for specialty motorcycles in and around Thailand, as well as advertisement space for customization business, forum for discussion and special helpers to translate for the local driving card in Thailand.
- **OH HotelServiceX**: hotel overstock sales forum, where hotels could sell their potential overstock that would have to be thrown away otherwise, most major hotels and many minor in Thailand used the service to shift items such as used mattresses, bedlinen, champagne, food etc.
- **AsiaMX**: Rebuilt a complete AdTech system. including sales, booking and tracking, similar to instream, adtechx, mediastack and other adtech systems. The system had to adhere to Singapore business law but also be globally functional, including tracking and collection of user data.
- **SimpleVPN.com**: Built a zero-human required vpn service using OpenVPN, Python/Flask/Postgresql and basic cheap VPS servers all around the world. Users signed up with an e-mail address, paid for a package with time/bandwidth with bitcoins or litecoins to a generated address. The system generated required certificates, example configuration files and sent it in an encrypted e-mail to the requester's address with instructions on how to set it up on all major platforms.

*Some active assets and customer bases were purchased and moved to other entities, some were simply handed over to successors or shut down.*

## **Contract: Infrastructure Technology • Adotai**

March 2016 - May 2016 | Bangkok, Thailand

- Maintain, upgrade and scale an AdTech solution from an earlier revision and version, lift and shift old concept and validation systems to AWS cloud, using python and shell scripts. Set up and manage early cloud scaling and load balancing, having to solve multiple split sessions and other similar issues when scaling from one to many. Set up monitoring with alerting.

## **Lead Systems Infrastructure Engineer • Ooyala/Videoplaza**

August 2010 - October 2015 | Stockholm, Sweden

- At **Ooyala** I had a much narrower and focused scope, since I was the one who had built the Videoplaza infrastructure from the ground up, been involved in every decision and project that would require some kind of hardware or similar resources, I spent much more time teaching and leading my team, cutting and streamlining the process of getting requirement from whiteboard to rack. I also had responsibility for our infrastructure budget, and worked with vendors and manufacturers directly.
- At **Videoplaza** I took the infrastructure and platform from 4 towers in a rack to a globally scaled, multiple points of presence platform and CDN. I designed and built a zero-down time, high performance multi-vector database infrastructure for adtech relevant data. I managed edge networking with BGP. I managed root-node DNS. Built a cloud based KVM and LXC containers with live-migration, software-defined-networking, front-load balancing directly routed Layer3, with high speed and safe sessions, cross path networks, and internal bgp broadcast.

### **Major milestones:**

- The infrastructure was redundant and resilient enough to migrate, upgrade and update every part of the system live with hundreds of thousands of active streams.
- Managed over 14 Gbps of traffic at peak without dropping any connections.
- Took on leadership responsibilities such as recruiting, planning and reporting, establishing relevant KPIs and managed a team of 4.

## **Founder, Tech Lead • QuickVZ Hosting**

September 2011 - August 2015 | Stockholm, Sweden

- Co-founded a cloud VPS hosting and virtual networking services company, with a custom coded (Python/PHP) control panel, management/API software. On-site responsibility of hardware (software, hypervisors, etc). Multi-vendor environment and Linux-based servers. *The company's active assets and customer-base was purchased and moved to another company in December 2015.*

## System Administrator • Diino AB

April 2007 - October 2010 | Stockholm, Sweden

- Managed back-end and infrastructure, Linux, BSD and SUN Solaris servers, L2/L3/iSCSI networking and built a redundant 2Pb+0 storage system based on GlusterFS and XFS/LVM with at the time the biggest drives and chassis available.

*Note: This list is not exhaustive.*

## Education

### Certifications

Certified Penetration Tester (CPT) • Penetration Tester GPEN • Certified Ethical Hacker (CEH)

AWS Certified Cloud Practitioner • AWS Certified Solutions Architect: Associate • AWS Certified SysOps Administrator: Associate • AWS Certified DevOps Engineer: Professional

JNCIA • JNCIE • JNCIE-DC • JNCIE-SP • CCNA • CCIE-EI • CCIE-DC • CCIE-SEC

### Uppsala University

Music Theory and Composition • 2001 - 2003

## Tools

- Linux/Unix
- GitHub/Github Workflow (CI/CD)
- Terraform/Ansible/Salt
- Argo CD/ Argo Workflow
- Kubernetes/Docker/Helm
- Grafana/Prometheus/Nagios

## Languages

- English — Native
- Swedish — Native
- Python — Advanced
- Go — Intermediate
- Bash — Advanced
- SQL — Intermediate
- C — Novice

## References

- On request

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