

Timh Bergström

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I'm an experienced infrastructure engineer and Linux expert with over two decades of documented experience with systems administration, data center and edge networking, configuration management, platform engineering and IT infrastructure in general. I am an advocate for "automate everything" and simplify error prone processes (i.e KISS principle), especially where human errors are common and sometimes devastating problem, I always strive to reduce complexity, and often cost, as well minimizing the amount of active alerts and errors in any given platform, the signal to noise ration should be very, very good.

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 can 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.

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 opensource 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 engineer. 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. The primary purpose of my contract was to research and prepare technical examples and create proposals for implementing industry standard tools to aid in stability, performance and maintainability of infrastructure tasks. Showcase how IaC and configuration management could be leveraged to minimize risk. I also demonstrated how important visibility into actual performance and functionality was to greatly improve the signal to noise ratio in monitoring and alerts with tools such as Cloudwatch, Grafana and Datadog.

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 datalake 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 schedule, contact teacher 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 speciality 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, mediav 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 send it in an encrypted e-mail to the requesters address with instructions on how to set it up on all major platforms.

Some active assets and customerbases were purchased and moved to other entities, some where 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 session and other similar issues when scaling from one to many. Set up monitoring with alerting.

Lead Systems Infrastructure Engineer • Ooyala/Videoplaza

- 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 helped build the infrastructure and platform from 4 towers in a rack to a globally scaled, with multiple points of presence for our platform and CDN, zero-down time, high performance multi-vector databases for hyperdimensional modelling of adtech relevant data, in-house core and edge networking with BGP, a very flexible self-hosted and built DNS system, in-house and flexible "cloud" system that could run KVM or LXC/VZ containers with live-migration, software-defined-networking and other interesting properties, unique front-loadbalancing that connected directly into Layer3, with high speed, but safe, session databases, cross path networks, internal bgp broadcasted services, a system that was so redundant that it allowed us to upgrade and update every part of the system live with hundreds of thousands of active streams, 14 Gbps of traffic, without dropping any significant amount connections or speed. The team expanded and from 2012 I took on leadership responsibilities such as planning and reporting, as well as establishing relevant KPIs.

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 and ordering/financial tools. On-site responsibility of hardware nodes (software, hypervisors, etc). Multi-vendor environment with routers, switches and security appliances (e.g. Cisco and Juniper EX/M-Series) 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 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, irrelevant, early and minor positions have been left out.

Education

Uppsala University

Music Theory and Composition • 2001 - 2003

Tools	Languages	References
<ul style="list-style-type: none">• Linux/Unix• GitHub/Github Workflow (CI/CD)• Terraform/Ansible/Salt• Argo CD/ Argo Workflow• Kubernetes/Helm• Grafana/Prometheus	<ul style="list-style-type: none">• Swedish — Native• English — Native• Python — Advanced• Go — Intermediate• Bash — Intermediate• SQL — Intermediate• C — Novice	<ul style="list-style-type: none">• On request