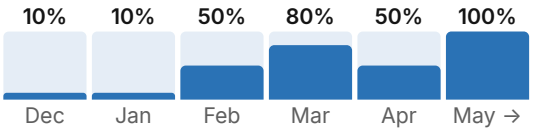
Alexander Holmbäck

Systems developer in infrastructure and backend

alex@kompismoln.se
github.com/Kompismoln
github.com/ahbk
LinkedIn
Stockholm
Sole trader, registered for Swedish F-tax

Availability, share of full time



PROFILE

Systems developer with more than ten years of experience in backend, databases and business systems, and in building and running Linux-based infrastructure. I like working close to the systems and building solutions that are reproducible, automated and maintainable in the long run.

I build and maintain Kompismoln, a NixOS-based environment of eight machines that runs services and websites for associations and small organizations. I have worked with Ansible and Docker before, and have professional experience of databases, system integration and automation. In recent years I have also worked intensively with LLM infrastructure and AI-assisted development.

TECHNICAL SKILLS

Infrastructure & automation	NixOS · Nix flakes · Ansible · Docker/Podman · Bash · SOPS · CI/CD · Git · Linux · system integration · Keycloak · API · REST · ERP integration
Networking & operations	WireGuard · IPv6 · DNS · VPS · on-premises servers · provisioning
Databases & web	PostgreSQL · Python · FastAPI · Svelte · C#/.NET · backend
Soft skills	Teamlead · Coaching · Teaching · ERP · CMS · CRM · Spreadsheet
AI & LLM infrastructure	vLLM · GPU inference · LLM evaluation · sampling and batching · reproducible experiments · AI-assisted development

EXPERIENCE

Freelance / independent development and operations — 2018–present

Building and running web services, Linux infrastructure and automated systems for my own projects and for small organizations, on a NixOS-based fleet where every machine follows one modular, declarative configuration.

- Automated provisioning of users, machines and services, where identity is used to generate IP addresses, WireGuard configuration, security keys and passwords.
- Built tools for key management with SOPS and Bash, with automated tests in Bats.
- Set up redundant WireGuard hub-and-spoke networks between environments.
- Run PostgreSQL, DNS, TLS, firewalls and scheduled database backups.
- Have run Nextcloud, Keycloak, Jitsi, email, WordPress and Mobilizon for several years.
- Set up CI/CD pipelines for dev/prod flows between local infrastructure and VPS.
- Since 2023 responsible for email, the domain and emergency support for esse.nu.
- Run klimatkalendern.nu, a Mobilizon instance with test and production environments and daily backups.
- Develop chatddx.com, with a Svelte interface on top of a FastAPI API.

AI and research development — 2026–present

Developing a research platform for systematically evaluating how accurately LLMs handle clinical vignettes, for Karolinska University Hospital, Huddinge, and Karolinska Institutet.

- Work with sampling, batching, reproducibility and analysis of model variation.
- Preparing a containerized deployment of the tool in a hospital environment.

- Use AI agents to write components of the development process, with a focus on specification, verification and code review.

Backend developer · Creuna AB 2016–2018

Backend development at a large web agency, mainly in Python/Django.

- Developed and maintained large web platforms, among them amnesty.se.
- Worked with Ansible and Docker for reproducible development and production environments.
- Also worked with C#/.NET and Microsoft-based environments.
- Developed and maintained, among others, Länsförsäkringar's intranet.

Infrastructure & business systems · Teknikmagasinet AB 2014–2016

Development and automation close to the company's business systems. Built a PostgreSQL cache on top of the business system for other systems to integrate with.

- Developed automations and internal tools to streamline administrative work.
- Developed reports and data for the business.
- Set up and administered a Linux server in a rack.

EDUCATION

Two bachelor's degrees in behavioural science, 2009–2014
Majoring in cognition/neuropsychology and in gender studies.

60 ECTS credits in mathematics
and an exchange year at the University of California, Santa Cruz, studying philosophy and linguistics.

LANGUAGES

Swedish	native
English	fluent, spoken and written