Luca S. Kasper



Curriculum Vitae

Personal details

Name: Luca Samuël Kasper
Date of birth: 28-06-2004
City: Zutphen
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Profile

I'm Luca, a 22-year-old **Linux enthusiast**. I live in Zutphen with my girlfriend and three guinea pigs. My family and friends describe me as **engaged, sociable, modest and solution-oriented**. I'm also very **eager to learn** and always looking for new challenges. In my spare time I enjoy playing D&D, working with computers, and picking up new things in Linux and beyond.

> *"As a student, Luca has shown himself to be an enormous positive force for our organisation. Every problem we put to Luca, he has been able to solve **with great expertise**."*
>
> *— Owen Meijer, internship supervisor and IT Infrastructure coordinator, Isala Klinieken*

I find it enjoyable, inspiring and motivating to **work in a team**, whether that's an IT department, a project team or a development team; I get energy from working together towards a shared goal.

Motivation

With my **'Expert IT System and Devices'** diploma in hand, I'm eager to get to work. I'm looking for a role where I can work with open-source (such as Linux).

During my graduation internship I was told that the work I delivered was closer to **bachelor's than associate's degree level**. I deliberately chose not to pursue a higher IT degree, as those programmes are more general than what I'm looking for. My ambition is to continue developing in the field of **open-source in and beyond work**. For example, after passing my exams I took the initiative to earn my **first Linux certificate** on my own.

eager to learn **flexible** **solution-oriented** **pragmatic**

"I don't want to follow a predetermined path; you have to create your own world and find your own way in IT."

Availability

Immediately available, 36 hours per week

References

- Wouter van der Toorren, Cloud/DevOps Engineer (TechNative B.V.)
- Pim Snel, Lead Architect/Innovator & DevOps Engineer (TechNative B.V.)

How I work

- I take ownership of my work. When you ask me to do something, you can trust me completely to follow through, **from A to Z**.
- Colleagues describe me as **pragmatic**, flexible, loyal, good-humoured, **eager to learn** and a **go-getter**.

Skills

- Linux (NixOS, Arch, Debian, Ubuntu etc.)
- Amazon Web Services (AWS)
- Infrastructure as code (Terraform, AWS CDK)
- Data pipelines (Dagster, Kestra)
- Python, TypeScript, JavaScript and Bash
- GitHub
- Open-source software
- SQL
- Linux monitoring (Zabbix, Prometheus etc.)

Languages

- Dutch (native language)
- English (excellent in speaking, writing and reading)

Work experience

01-10-26 – present

TechNative B.V.

Data Engineer – assignment at PostNL

I previously worked as a consultant on PostNL's cloud-insights platform; in this follow-up project we are building an **AI pipeline**.

- I am currently building an MVP that shows how AI tools from various providers are used and what they cost.
- I write the pipelines in **Python with Dagster**, using a bronze/silver/gold model on S3 and Apache Iceberg. They run on ECS Fargate and results land in Athena and QuickSight.
- The infrastructure is **AWS CDK in TypeScript**; GitHub Actions deploys it to development, acceptance and production environments.

01-10-24 – present

TechNative B.V.

Cloud Engineer, Managed Services

AWS consultancy and managed services, including NixOS. At clients I usually work side by side with their own engineers. Some projects I'm proud of:

- Migrated a SaaS with 14 tenants from docker-compose on EC2 to **Amazon ECS with Terraform**. I also migrated its MariaDB databases with DMS to other accounts and regions.
- Replaced 'baked' AMIs on a PHP hosting platform with **NixOS flake deployments**, so a change no longer has to wait for an hour-long image build.
- Built an AI-assisted risk analysis app (Elixir, Next.js, ECS) for an industrial manufacturer.
- Set up new AWS organisations with GitHub OIDC pipelines, so no long-lived keys are stored in CI.
- I also participate in the on-call rotation for production environments, including urgent incidents.

Within TechNative:

- I am the primary contributor to **Elastinix**, our open-source NixOS module library with more than 30 modules.
- I built a toolkit for ISO 27001 evidence collection and CVE triage for our NixOS hosts.

01-04-26 – 01-06-26

TechNative B.V.

Data Engineer – assignment at PostNL

- We built a pipeline that transforms cost and usage data from one of their SaaS data platforms (Databricks) into **dashboards**.
- I wrote the pipelines in **Python with Dagster**, using a bronze/silver/gold model on S3 and Apache Iceberg. They run on ECS Fargate and results land in Athena and QuickSight.
- The infrastructure is **AWS CDK in TypeScript**; GitHub Actions deploys it to development, acceptance and production environments.

01-04-24 – 01-07-24

Isala Klinieken

Infrastructure Intern, Information & ICT department (I&I)

For the I&I department I researched a **new monitoring tool**, such as Prometheus (open source) or Nagios (paid), to monitor Isala's remaining Linux servers easily and clearly, and investigated a **more user-friendly operating system** to replace Isala Klinieken's current Linux distribution. My research and advisory report was graded by Isala Klinieken **with a 9.3**.

01-09-22 – 01-02-23

Logis.P | Selfservice & Hospitality

Functional Management Intern

At this company, which offers solutions for Patient & Customer Flow Management and ensures an optimal patient flow within healthcare organisations, I provided **second-line support** to clients, assisting with questions or issues that application managers or key users at hospitals could not resolve. I **analysed incoming incidents** and processed and implemented **submitted changes** together with clients. I also **tested both bug fixes and new releases**.

01-07-19 – 01-09-19

Albert Heijn Epe

Shelf Stacker

Together with other shelf stackers, I ensured the store was well stocked and tidy. I also helped customers find products and, if an item was out of stock, suggested alternative products.

Education

2021 – 2024

'Expert IT System and Devices', **MBO level 4**
Landstede, Zwolle. Diploma: July 2024. Self-chosen topic for graduation internship: Linux research.

2017 – 2021

Jena XL, Zwolle
Diploma MAVO: July 2021

Certifications

2024

Linux Essentials, Linux Professional Institute (LPI)
Certificate: July 2024