

# CHRISTIE NETTO

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[LinkedIn](#) — [GitHub](#) — [Portfolio](#)

## ABOUT ME

Geospatial software developer. Passionate about leadership, open-source collaboration, and problem-solving. Experienced in full-stack development, DevOps, and data science. Enjoy bouldering, swimming, music production, and filmmaking.

## EDUCATION

**Technische Universität München**, Masters of Informatics (Exchange) *Oct 2026 – March 2027*

- QS World University Rankings 2027: #25 worldwide, #1 in the European Union
- Core Courses: Advanced 3D GIS, Advanced Algorithms, and Advanced Software Development

**University of Helsinki** *M.Sc. Data Science (2025–Present)* — *B.Sc. Computer and Data Science (2022–2025)*

- Core Courses: **ML Engineering, Distributed Systems, AI, Data Structures & Algorithms, DevOps**
- **Teacher Assistant** for Modern Science; completed **Pathways** pre-incubator program
- **International Student Exchange Tutor**, helped students with housing, transportation, and university services

**Joensuu Lyseon Lukio**, International Baccalaureate (IB) *Aug 2019 – Jun 2022*

- **3rd place in Finland** for Extended Essay in Biology at Tukoke, receiving TEK stipend

## WORK EXPERIENCE

**Associate Software Developer**, Triona *December 2024 - Ongoing*

- Contributed to projects **Omakala** and **InfraWEB**, developing geospatial software for the **Finnish government** and Cities of **Lahti** and **Jyväskylä** using mainly **TypeScript, Java, PostGIS, Terraform, and Azure**
- **Led Azure MariaDB → PostgreSQL migration** and production release of **10 backend services**, including **NGINX Ingress v1.12.1** upgrade
- **Replaced OpenLayers with MapLibre**, improving map rendering performance by **40%**, and conducted **geospatial statistical analysis** of fish populations for fishing legislation compliance
- Built and maintained infrastructure and deployment workflows using **GitLab** and **ThingsBoard**, including **iOS App Store** and **Google Play Store** releases and application version and test management

## PROJECTS

**Splitbit** [Github] – Open-source cost-keeping app (ISDC-Helsinki)

- Developed a cross-platform budgeting app using **Go, OpenAPI, SQLC, Svelte, and LazySQL**. Led backend development and had the role of teaching assistant for the club.

**E-commerce Backend with SSL & Stripe Integration**

- Configured a **Debian server** with an **SSL certificate** for secure transactions
- Integrated **Stripe** for payments, **Zapier** for automation, and **Google Sheets App Script**

**MPVSSH** [Github] – Remote control for MPV media player

- Built a self hosted **remote control app** using **React Native, Expo Go, SSH, Go, and Ngrok**

**MusicGo** [Github] – Self-hosted music player

- Developed a **music streaming platform** with **Expo Go** and a **Go backend**

**Gomoku AI** [Github] - For the course Algorithms and AI at the University of Helsinki

- Developed a Gomoku 5x5 playing algorithm using python and tkinter, with a focus on implementing **Min-Max Algorithms** and **Alpha-Beta pruning**

## HACKATHONS & COMPETITIONS

- **Elisa/Nokia/Microsoft Hackathon 2025** – Built a tech-driven solution in a competitive environment
- **Junction 2024** – Created a system to streamline **Fingrid's Datahub** [Video]
- **Finalist, Nokia Hackathon 2022** – Developed and pitched an *agricultural drone* solution [Video]

## TECHNICAL SKILLS

**Programming:** TypeScript, Terraform, Java, Python, Rust, Git, Go, SQL, NumPy, Pandas, Svelte, React Native  
**Tools:** Azure CLI, PostGIS, Kubernetes, MapLibre, Martin, GitHub Actions, Zapier, Expo Go, Docker, Gitlab  
**Soft Skills:** Leadership, Public Speaking, Team Management, Event Organization, Version Control, App Releasing

## LANGUAGES

**English** (Native), **Finnish** (Fluent), **Malayalam** (Fluent)