

Rok Vidmar

IT and QA Engineer

LinkedIn · rok.vidmar1997@gmail.com · Last updated: November 2024

EDUCATION

Master in Electrical Engineering

2019–2022 · University of Ljubljana

Emphasis on ICT. Wrote a master thesis about different VPN solutions available in 2022.

EXPERIENCE

CxT Technical Lead — Plume Design Inc.

November 2022 – Present · at the company from April 2021

- Maintaining testing environment for CxT testing (L2, L3 networking)
- Maintaining test plans, reporting and debugging software issues — embedded, mobile
- Introducing innovation in scope of team and company
- Testing network equipment

IT Consulting

2020 – Present

- Advising and maintaining IT infrastructure for startups
- Maintaining VPN environment/backups for companies
- Automating backup system based on restic/borg
- Helping develop system architecture for cloud managed PV solution

PERSONAL PROJECTS

Self-Hosted Finance Portal

2026 · Flask — SQLite — Docker

Household finance logged via Telegram into a self-hosted portal with monthly, yearly, business and net-worth views. Successor to the 2024 Google Apps Script logger.

GitHub

Storm Alert — Slovenia

2024 · Python

Uses the Slovenian Environmental Agency API to detect storms; integrates with smart home and SQL logging.

GitHub

PUBLICATIONS

Evaluating ZeroTier VPN against competing solutions

2022 · Master's Thesis

Addressed emerging free VPN solutions, focused on ZeroTier's peer-to-peer approach vs OpenVPN and WireGuard.

Thesis

Connected device control using Multi Access Point WiFi Systems

2022 · Patent

Patent link

Computerized systems and methods for wireless roaming simulation

2023 · Patent

Patent link

Method for authenticating user using gestures and/or locomotive movements

2024 · Patent

Patent link

System that enables gesture-based control of connected devices

2024 · Patent

Patent link

SKILLS

★★★★★

Software Testing · Networking · Bash · Python · RPi · Linux · Problem Solving

★★★★

Docker · Home Assistant · RStudio

★★★

PHP · SQL · C++

Other

Photography · Adobe Photoshop · Adobe Illustrator · Adobe Premiere