

VLADIMIR RAINOV

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PROFILE

Final-year BSc (Hons) Computing Science student with hands-on Linux, virtualisation and networking experience built outside coursework: a self-hosted Proxmox cluster running containerised services over a WireGuard mesh, and a client site deployed through an automated GitHub Actions pipeline. Seeking a DevOps, cloud or network engineering role in Dublin.

EDUCATION

Griffith College Dublin

BSc (Hons) in Computing Science

Dublin, Ireland

Sep 2023 – Jun 2027 (expected)

- **Relevant modules:** Networks and Data Communication; Linux System Administration; Databases; Web Technologies.

TECHNICAL SKILLS

Networking: TCP/IP, DNS, DHCP, VLANs, LAN, WireGuard VPN mesh, Tailscale, reverse proxying (Nginx Proxy Manager), Pi-hole DNS filtering

Infrastructure & Containers: Proxmox VE, ZFS, Docker, Docker Compose, Kubernetes (K3s), AWS

CI/CD, Automation & Monitoring: GitHub Actions, Git, Bash scripting, Python automation, Grafana, Uptime Kuma

Operating Systems: Linux (Ubuntu, Debian, Arch); Windows provisioning and hardening

Languages, Databases & Web: Python, Bash, SQL, Java, JavaScript, TypeScript; PostgreSQL, MySQL, MongoDB; Node.js, Express, Spring Boot, Ruby on Rails, REST APIs, React, Next.js

PROFESSIONAL EXPERIENCE

PRO-Computer (Self-Employed)

PC Build & Systems Technician — Part-time

Moscow, Russia

2019 – 2022

- Built and configured 20+ custom workstations to client specification, selecting compatible components and managing thermal and power budgets per build.
- Provisioned and hardened the Windows environments shipped with them: security baselines, user access controls and update policy.
- Diagnosed component conflicts and hardware faults through structured stress-testing, resolving them before delivery rather than after.

Y-Solutions

Assistant Systems Analyst — Part-time

Moscow, Russia

2020 – 2021

- Validated and debugged 200+ SQL-based regulatory reports in a core banking system, reconciling output against source data and reporting requirements.
- Wrote and optimised approximately 400 SQL queries behind those reports, reworking slow joins and aggregations as regulatory reporting rules changed.
- Supported the rollout of the Diasoft core banking platform at two banks: configuration, testing and production deployment.

TECHNICAL PROJECTS

Self-Hosted Proxmox Cluster | Proxmox VE, Docker, WireGuard, ZFS, Grafana

Dec 2025 – Jan 2026

- Repurposed existing hardware into a Proxmox VE host running containerised self-hosted services, replacing paid subscriptions.
- Configured a WireGuard mesh for remote access, Pi-hole for network-wide DNS filtering, ZFS storage, and Nginx Proxy Manager for TLS-terminated reverse proxying.
- Instrumented the cluster with Grafana and Uptime Kuma for metrics and availability alerting, applying the Networks and Linux modules to a live system.

Villa Caterina — Client Site, CI/CD Pipeline | GitHub Actions, Python, GitHub Pages

Jun 2026 – Present

- Delivered a live holiday-rental site for a client under a near-zero running-cost constraint that ruled out a database and paid hosting (villacaterina.casa).
- Automated availability synchronisation with a scheduled GitHub Actions workflow that pulls the property's Booking.com iCal feed every six hours and commits it back to the repository as JSON.
- Generated the Italian, French and German pages from the English source with a Python build script; deployed behind a custom domain and a strict Content Security Policy.

AI-GPU-Benchmark | Python, PyTorch, PyQt6, NVML, PEFT

Jul 2026 – Sep 2026

- Built a repeatable GPU benchmark holding the workload constant (a 150-step LoRA fine-tune of TinyLlama-1.1B in bfloat16) so two cooling configurations compare on identical work.
- Polled NVML on a separate thread every 250 ms for temperature, hotspot, VRAM, power and clock speed, streaming telemetry to a PyQt6 interface and plotting thermal curves on completion.

Sorted — Smartphone Catalogue (Ireland) | React, TypeScript, Rails 8, PostgreSQL

Feb 2026 – Jul 2026

- Built with a coursemate: a React 19 and TypeScript front end over a Rails 8 JSON API on PostgreSQL, with server-side filtering across around twenty device attributes and live result counts before filters are applied.
- Owned the backend hardening: rewrote filters that interpolated user input straight into SQL onto bound parameters, then added per-endpoint rate limiting, a production-only secure flag on the session cookie, and JSON error handling returning 404 instead of 500 on unknown ids.

Pro.me — Service Booking Platform | React 19, Express 5, MongoDB, Cloudinary

Aug 2026 – Present

- Building a full-stack booking platform with provider browsing, appointment booking, reviews and a dashboard per role; Express backend secured with MongoDB-backed session auth, Helmet headers, rate limiting, input sanitisation and bcrypt hashing.

CERTIFICATIONS & ADDITIONAL INFORMATION

Junior Java Developer, SkyPro — sky.pro/courses/programming/javadeveloper#giftpopup

Mar 2022 – Feb 2023

Work Authorisation: Stamp 2 - 20 hrs/week during term, full-time during holidays. Eligible for the Third Level Graduate Programme (Stamp 1G) from June 2027: 12 months full-time, no permit required.

Languages: Russian (native), English (fluent - degree delivered in English).