

ERION TRONI

SOFTWARE ENGINEER

Prishtina, Kosovo | eriontroni@gmail.com | (+383) 49 208 825 | linkedin.com/in/eriontroni | erion.troni.dev

PROFILE

Full-stack software engineer and Computer & Software Engineering student, focused on C# / ASP.NET Core backends and React + TypeScript frontends. Eight months of professional experience delivering production systems for public-sector clients, covering filtering and permission engines, payment-gateway integration, reporting, and security fixes. Outside of work I run a self-hosted Linux server built from a repurposed laptop, where I deploy my own containerised applications to my own domain - live at erion.troni.dev. Comfortable owning a feature end to end - database schema, API, UI, and deployment.

TECHNICAL SKILLS

Languages: C#, TypeScript, JavaScript, Java, Python, C++, SQL

Backend: .NET 10 / ASP.NET Core, Entity Framework Core, REST API design, Clean Architecture, Spring Boot (basic)

Frontend: React, Vite, TypeScript, HTML, CSS

Databases: SQL Server (T-SQL), PostgreSQL, schema design, query writing and optimisation

DevOps & Infrastructure: Docker, Docker Compose, Linux (Ubuntu Server) administration, Nginx reverse proxy, systemd services, CI/CD with GitLab, Azure & Azure DevOps, Kubernetes (fundamentals), Terraform (fundamentals), Grafana & Prometheus

Networking & Security: Domain and DNS management (Cloudflare), Cloudflare Tunnel, TLS/HTTPS, TCP/UDP, firewalls and port management, role-based access control, Active Directory (ManageEngine Log360 suite)

Practices: Git, Agile delivery, unit and functional testing, technical documentation

EXPERIENCE

Back-End Developer - tretek

January 2026 - September 2026 · Prishtina, Kosovo

Worked as a full-stack developer: primarily C# and ASP.NET Core backends, with front-end work in React and TypeScript (Vite), plus responsibility for deploying applications. Selected projects:

- **AUVK - Filtering, Roles & Tariff System.** Rebuilt the filtering system, corrected role and permission logic, and integrated tariff codes (PIKF) into billing.
- **TMJIShP - Administrative Case-Management System.** Built board-decision and diagnosis workflows and delivered a Countries module with full CRUD and permissions. Authored 3 user manuals.
- **VORAE - Student Monitoring Platform.** Built the monitoring dashboard, added bulk Excel import and PDF/Excel report exports, and remediated an IDOR security vulnerability.
- **eKRU - Payment System Integration (Mitrovicë).** Implemented payment processing via BankartGateway with NLB Banka as banking partner.
- **ManageEngine Log360 - & Configuration** Deployed and configured ManageEngine Log360 in a local Active Directory domain environment, gaining hands-on experience with log management, security monitoring and auditing. Also gained exposure to the deployment of Log360, ADManager Plus, ADAudit Plus and DataSecurity Plus in the Ministry of Foreign Affairs and Diaspora environment. Completed 50+ hours of ManageEngine training.

PROJECTS & SELF-HOSTED INFRASTRUCTURE

Personal Home Server & Self-Hosted Application Platform - independent project

2025 - Present · Live at erion.troni.dev

- Repurposed an old laptop into an Ubuntu Server host running a production-like stack, with static LAN/WAN addressing, a reserved service port range and SSH access on a non-default port.
- Registered and administer my own domain (troni.dev) through Cloudflare, publishing my applications on public subdomains over HTTPS using a Cloudflare Tunnel, so no inbound ports are exposed on the home network.
- Run and maintain a containerised service stack with Docker and Docker Compose - Portainer, Jellyfin, Filebrowser, a Homepage dashboard, Cloudflared, SQL Server 2025, eTermini, ne-kohe.
- Deploy my own .NET 10 Clean Architecture API as a systemd service behind a Nginx reverse proxy, with secrets injected at the service-unit level and an atomic directory-swap deployment script that avoids broken intermediate states.

- Containerised a React / Vite / TypeScript frontend using a multi-stage Docker build on nginx:alpine and served it through the same reverse proxy.
- Tuned SQL Server memory limits and overall resource usage to keep the full stack stable on roughly 3 GB of RAM; ongoing hardening work covers key-based SSH authentication, fail2ban and firewall rules.

CERTIFICATIONS & TRAINING

DevOps Training Program (50 hours) - Training and Development Institute, [RIT Kosovo \(A.U.K\)](#)

Hands-on program covering:

- DevOps principles and workflows
- Linux administration and configuration
- Azure Cloud Platform & Azure DevOps
- Containerization with Docker and Docker Compose
- Container orchestration with Kubernetes
- Infrastructure as Code (IaC) with Terraform
- Monitoring and observability with Grafana and Prometheus
- CI/CD pipelines with GitLab
- Automated deployment of WordPress and Node.js applications in containers

ManageEngine Product Training - (50+ hours)

- Log 360, ADManager Plus, ADAudit Plus and DataSecurity Plus.

EDUCATION

BSc Computer & Software Engineering - FIEK, [University of Prishtina](#)

October 2023 - Present · Prishtinë, Kosovo

- Programming in C++, Java and Python through coursework, labs and academic projects.
- Data Structures and Algorithms, including complexity analysis and implementation of core structures.
- Object-Oriented Programming: encapsulation, inheritance, polymorphism and abstraction.
- Databases and SQL: schema design and query writing (CRUD, joins, grouping, constraints).
- Computer Networks: client-server communication and TCP/UDP fundamentals.
- Software Testing: writing test cases and performing functional and system testing.