

Iosif Miclea

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Profile

Junior full-stack developer with a strong networking foundation. I build clear, secure **MVP-level** web applications using **Python (Flask)** and **React**, with practical security (hashed passwords, JWT HttpOnly + CSRF), clean documentation, and a focus on delivering value within deadlines.

Technical Skills

Languages: Python; TypeScript/JavaScript; SQL; HTML/CSS

Backend: Flask; REST API design; SQLAlchemy; Alembic; validation & error handling

Frontend: React (Vite); React Router; React Query; Tailwind CSS

Auth & Security: Argon2/bcrypt; **JWT (HttpOnly)**; **CSRF**; input sanitisation; basic rate-limiting

Data/Storage: SQLite (MVP); local uploads; JSON/REST

Integrations: Payments (Stripe Subscriptions – test mode); email (dev-mode)

UX/Maps: Leaflet + OpenStreetMap; per-day availability calendar; forms & accessibility basics

Dev & Ops: Replit (Secrets), Git/GitHub, GitHub Pages, Trello, basic pytest

Networking: TCP/IP, OSI, routing/subnetting, diagnostics (ping/trace/Wireshark)

Experience

Junior Full-Stack Developer — Student/Independent Projects — <03/03/2024–Present>

- Delivered multiple **MVP web apps** end-to-end (requirements → design → build → test → docs).
- Built **REST APIs** in Flask and **React SPAs** with routing, state/query management, and reusable components.
- Implemented **authentication & session security** (hashed passwords, JWT HttpOnly, CSRF) and role/feature gating.
- Integrated third-party services (**Stripe Subscriptions – test mode**) and handled webhook-driven state changes.
- Shipped portfolio sites and reviewer docs (**README**, run books, quick-start guides) to improve developer experience.

Networking & IT Support (Labs) — <ESL/ Newcastle College> — <03/03/2024–present>

- Configured/troubleshoot **IPv4 subnetting, VLANs, routing, DHCP/DNS**, basic firewall/NAT scenarios.
- Performed diagnostics with **Wireshark, ping, traceroute**; produced concise runbooks and fix notes.
- Automated small tasks with **Python** (CSV parsing, simple log checks), applying secure-by-default practices.

Selected Projects

- **Exchange/Listing Web App (Flask + React)** — Secure auth; listing CRUD with photos; map view; per-day availability; feature gating; **Stripe Subscriptions (test mode)** for membership.
- **Network Automation Scripts (Python)** — Utilities for parsing configs/logs, validation, and quick checks.
- **Responsive Portfolio (GitHub Pages)** — One-page portfolio with project cards, links, and screenshots.

Education

<Computing Level 5> — <Elizabeth School of London/ Newcastle College>, <2024–present>

Relevant areas: Secure Web Development, Software Engineering, Databases, Computer Networks.

Outcomes & Skills Gained

- End-to-end delivery to a **timebox**, with clear acceptance criteria and documentation.
- Practical **session security** (JWT/CSRF), safe password storage, and gated user flows.
- SPA ↔ API integration (CORS, error handling, pagination, optimistic UI patterns).
- Integration literacy (webhooks, API keys, test-mode payments), plus **map/availability** UX.
- Professional habits: branching, PRs/tags, READMEs, assessor/teammate guides, portfolio hygiene.

Certifications / Activities (*optional*)

- <CCNA> — <CertBros>, <2024-present>

References available on request.