El-mahdi Safouane
Software Engineer

Ben Guerir, Morocco — +212 647 538 456 — elmahdisafouane@gmail.com — github.com/esafouan

Introduction

Over three years of hands-on, project-based learning at 1337 have enabled me to build 24 robust software and infrastructure projects. I collaborated in teams and individually on DevOps, Full-Stack Web Development, OOP, Systems Administration, Virtualization, and CI/CD pipelines—fostering adaptability and delivering production-ready solutions.

Work Experience

Software Engineering Intern   Jun 2024 – Nov 2024
Lydex, Mohammed VI High School of Excellence, Rabat, Morocco

- Developed Angular and Next.js apps to enhance system performance and scalability.
- Collaborated on front-end architecture and optimized build workflows.

Education

1337 Coding School (42 Network)   Oct 2022 – Present
Software Engineering, Benguerir, Morocco

EST Beni Mellal   Sep 2019 – Jun 2021
Technology Degree (DUT), Beni Mellal, Morocco

Skills

Languages: TypeScript, JavaScript, C/C++, Python

Frameworks/Libraries: Angular, React, Node.js, ExpressJs , NestJs

DevOps & Cloud: Docker, Kubernetes, GitLab CI/CD, ArgoCD, Terraform, Ansible

Tools/Platforms: Git, Linux, Vagrant, Nginx, Figma

Databases: SQL, PostgreSQL, MongoDB

Spoken Languages: Arabic (Native), English, French

Projects

3D Multiplayer Pong *(React, Three.js , , NestJs)*

- Built real-time online 3D Pong game with auth, chat, and leaderboards.

E-Commerce Dashboard *(Angular, NestJs)*

- Developed a role-based web application to manage products across multiple buyers, with comprehensive tracking of orders and inventory.

Production Infrastructure Automation *(Terraform, Ansible, Docker)*

- Provisioned DigitalOcean infrastructure with Terraform and configured services with Ansible.
- Built a containerized WordPress platform using Docker, Nginx, and MariaDB for a complete production-ready deployment.

Inception of Things *(Kubernetes, ArgoCD)*

- Automated infrastructure with Vagrant and deployed microservices using lightweight K3s Kubernetes.
- Leveraged Argo CD for GitOps-driven deployments and integrated GitLab CI/CD for streamlined workflows.

Phone Store ERP System *(Angular, NestJs)*

- Built the complete front-end for an ERP web application used by over five phone stores to manage daily operations