

# YOUNES ISMAILI

Junior Software Engineer

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yo-ismaili/

## PROFILE

I'm a motivated computer science student at 1337 School, actively advancing my knowledge and skills. My passion revolves around exploring new technologies and overcoming challenges.

## SKILLS

**Languages/Framework:** TypeScript, SQL, JavaScript, HTML, CSS, YAML, C++, C, Shell script, PostgreSQL, NestJS, React, MariaDB.

**Technologies:** Docker, Kubernetes, Docker-compose, Git, Postman, NGINX, WordPress, Jenkins, Linux, Vagrant, GitLab.

## PROJECTS

NestJS, NextJS

### ft-transcendence

GitHub Repository

- Authentication
- Real-time Features (WebSocket technology)
- RESTful API Design
- Database Management
- Security Practices
- Containerization with Docker and docker-compose
- Version Control with Git and GitHub
- Effective teamwork and leadership capabilities.

Docker

### Inception:

GitHub Repository

- Understanding of system administration concepts using Docker
- Virtualization of Docker images
- Docker Compose for orchestrating containers
- Familiarity with Linux-based operating systems
- Knowledge of Docker networking, volumes, and file systems
- Implementation of security best practices for Docker and system administration
- Experience with NGINX, WordPress, MariaDB, Redis, FTP server, Adminer, and cAdvisor

C++

### webserv:

GitHub Repository

- Understanding of the HTTP protocol.
- Handling different HTTP methods such as GET, POST, and DELETE.
- HTTP status codes and headers.
- Network programming concepts, including socket programming and non-blocking I/O.
- NGINX server configurations.
- Expertise in cookies, session management, and the ability to handle multiple CGI processes.
- Error handling and resilience to prevent server crashes.
- Familiarity with tools like: Telnet, Postman, Netcat (nc) and Burp Suite
- Effective teamwork and leadership capabilities.

- Virtualization and Vagrant
- Kubernetes concepts and architecture (K3s and K3d)
- Network settings for virtual machines and Kubernetes clusters
- Automating the installation and configuration of tools and dependencies.
- Containerization and Docker
- Continuous Integration (CI)
- Integration of GitLab with Kubernetes clusters
- SSH configurations and network security.

## EDUCATION

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|----------|---|
| Oct 2021 | <b>1337 Coding School, Khouribga (42 Network, UM6P)</b><br>IT Architecture Expert   |
| Jul 2021 | <b>Technical Specialist in Development Information</b><br>In 2021, I achieved a Diploma as a Technical Specialist in Development Information.                                   |
| Jun 2018 | <b>Baccalaureate (Bac)</b><br>In 2018, I successfully achieved a significant academic milestone by obtaining my Baccalaureate (Bac) with a specialization in Physical Sciences. |

## LANGUAGES

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- English** - Professional working proficiency,  
**French** - Professional working proficiency,  
**Arabic** - Native or bilingual proficiency