

### Backend / Full-Stack Developer | Intern / Junior Level

Backend / Full-Stack Developer (Intern / Junior) with strong foundations in systems programming, backend development, and security. Experienced in team collaboration and delivering real-world solutions, including e-commerce and business platforms. Autonomous, reliable with deadlines, and quick to learn in hands-on environments.

Location: Morocco

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## 1.1 Skills

**Languages:** C, C++, JavaScript

**Web Basics:** HTML, CSS, PHP (foundational knowledge)

**C++ Libraries:** STL, Networking and system libraries

### Backend & Tools:

Node.js, NestJS, Docker, Docker Compose, PostgreSQL, Linux, Bash, Git, Vue.js

### Domains & Focus:

Performance programming, Security, DevOps, e-commerce platforms, SaaS systems, business-oriented applications

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## 1.2 Projects

### 1.2.1 ft\_transcendence — Backend

- Developed backend APIs using NestJS and Node.js
- Implemented JWT authentication and secure data handling
- Dockerized services for deployment

### 1.2.2 Cub3d

- Implemented parsing and validation logic
- Focused on security and memory safety

### 1.2.3 minishell

- Built a custom shell with parsing, error handling, and secure execution
- Reinforced understanding of system calls and shell internals

### 1.2.4 pipex

- Implemented Linux pipes and inter-process communication
- Explored system calls and low-level Linux internals

### 1.2.5 webserv

- Created a non-blocking HTTP server handling multiple clients

- Developed backend request processing and response handling

### 1.2.6 philosophers

- Implemented multithreading with mutexes
- Solved synchronization challenges for concurrent processes

### 1.2.7 born2beroot

- Practiced system administration and Linux server setup
  - Configured user permissions, services, and automation scripts
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## 1.3 Education

### University of Language and Human Science — English Studies License (2020)

- Studied linguistic structures, language formation, and genres
- Developed analytical thinking and structured problem-solving

### 42 Network — Software Engineering Program

- Project-driven curriculum in C, C++, system programming, web development
  - Learned real-world backend development, networking, and security principles
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## 1.4 Experience

### ITNERA – Tech Company

- Led and supervised teams delivering websites, desktop applications, and IT solutions
- Coordinated project execution from requirements to deployment
- Installed, configured, and deployed digital solutions and technical equipment for clients
- Contributed to e-commerce platforms, SaaS-style tools, and business applications
- Provided technical support and ensured system reliability for client environments
- Applied backend and system knowledge to improve workflows and solution quality

### ESSABHY – Tech Company

- Developed WordPress-based websites and business tools
- Participated in team-based project delivery and client support
- Gained exposure to production environments and client-facing solutions

### Freelance Projects

- Built responsive websites using WordPress and Elementor
  - Worked autonomously with clients to deliver solutions on time
  - Managed requirements, execution, and final delivery independently
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