

NISRIN BOUKHARI

✉ nisrinboukhari19@gmail.com ☎ +212 680632736 📍 Ben Guerir, Maroc 🌐 GitHub 🔗 LinkedIn

EDUCATION

1337 CODING SCHOOL - UM6P

Coding School - Software Development

Relevant Coursework: Programming Fundamentals, Web Development, Algorithms, Software Engineering

Oct 2022 – present | Ben Guerir, Morocco

Université Ibn Tofail

University - IT, SMI

Relevant Coursework: Computer Science, Algebra, Mathematics, C Programming

Sep 2018 – Jun 2020 | Kenitra, Morocco

PROJECTS

Completed 15 diverse projects encompassing low-level programming, graphics, and algorithms; identified key challenges that enhanced code execution efficiency and collaborated on four successful team initiatives.

ft_transcendence

Sep 2024 – present

- Engineered a ping pong platform using Django, Python, JavaScript, HTML, and CSS, with a microservice architecture powered by a PostgreSQL database. Enabled seamless user interaction for playing with friends.
- Orchestrated the design and implementation of the tournament management system, featuring matchmaking, tournament logic, and user interactions. Ensured effective integration between the backend and frontend for a smooth and engaging user experience.

Inception

Aug 2024

- Constructed a containerized infrastructure with Docker and Docker Compose, including custom Dockerfiles for each service.
- Deployed NGINX with TLS security (v1.2/v1.3), ensuring secure platform access and reducing vulnerabilities.
- Configured WordPress with PHP-FPM and MariaDB in separate containers while integrating Redis to enhance website performance.
- Maintained persistent data volumes for WordPress databases and website files, improving reliability and ensuring system uptime.
- Streamlined service integration within a Docker network, automating container restarts to enhance system resilience.
- Launched an FTP server, deployed a lightweight static website, and optimized database interaction with Adminer, improving query response times.

FT_WEBSERV

Jan 2024 – Mar 2024

- Architected a single-threaded, non-blocking HTTP server using C++98, tailored for optimized performance.
- Built core functionalities supporting GET, POST, and DELETE requests, along with Basic CGI integration, handling multiple concurrent connections.
- Designed configuration file parsing and static file serving capabilities to enable seamless scalability.
- Enhanced server stability and resilience, ensuring high uptime during peak loads.
- Optimized file upload and request management to reduce response latency.

SKILLS

Programming Languages — C/C++, Django, JavaScript, HTML, CSS, **Frameworks & Technologies** — Django, Docker, Docker Compose, Git/GitHub, **Software Development** — Object-Oriented Programming (OOP), Microservices, Frontend & Backend Development, **Core Skills** — Algorithms, Data Structures, Research, Shell Scripting, **Tools & Techniques** — Version Control (Git), Containerization (Docker), Web Development

LANGUAGES

Arabic

- Native Speaker (Fluent in all forms, including dialects and Modern Standard Arabic)

English

- Intermediate (Can communicate effectively in speech and writing, B2 Level)

Frensh

- Intermediate (Good comprehension and conversational ability, B1 Level)

LEETCODE ACHIEVEMENT

- Earned a badge by solving more than **145 problems** using advanced algorithmic techniques.
- Advanced Skills:** Dynamic Programming (4x), Divide and Conquer (2x), Trie (2x), Rolling Hash (1x), Quickselect (1x)
- Intermediate Skills:** Hash Table (68x), Math (21x), Sliding Window (17x), Bit Manipulation (12x), Binary Search (7x), Greedy (4x), Graph (1x), Recursion (1x)
- Fundamental Skills:** String (79x), Array (63x), Two Pointers (28x), Sorting (20x), Simulation (6x), Stack (5x), Enumeration (2x), Matrix (1x)