YAHYA ABAD

Tetouan

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https://yabad.live

EDUCATION

USMBA university   **Sep 2016 - Jan 2018**

Completed 2 years of coursework   *Fes*

- Coursework: Operating systems, Linear Algebra, Basic Algorithms, C/C++ Programming, Network Programming

1337 Coding school   **Oct 2022 - Present**

Common Core   *Tetouan*

- Coursework: Operating systems, Algorithms and Data Structures, Graphics, Low level programming, Network programming, OOP, Web Programming

PROJECTS

Inception   *Aug 2023 - Sep 2023*

- Created and managed Docker containers for NGINX, WordPress, and MariaDB, ensuring service isolation and efficient resource utilization.

ft_irc   *Dec 2023 - Jan 2024*

- Developed a high-performance IRC server in C++ using socket programming, facilitating seamless network communication and real-time messaging for up to 1000 concurrent users.
- Integrated essential IRC protocol, ensuring seamless interaction with IRC clients, supporting user authentication, nickname setting, and private messaging.
- Ensured non-blocking I/O operations, maintaining server responsiveness under high load conditions.
- Applied short polling techniques to efficiently manage concurrent client connections, optimizing real-time messaging and resource utilization.

ft_transcendence   *Aug 2024 - Aug 2024*

- Designed and implemented a comprehensive 3-tier architecture ensuring clear separation of concerns and efficient communication between components
- Implemented secure OAuth 2.0 authentication using the 42 API with robust error handling and user session management
- Developed backend game logic with real-time multiplayer support using WebSocket connections and binary protocols for optimal performance
- Built a secure authentication system using JWT with comprehensive token lifecycle management and security policies

Avaj Launcher   *Aug 2024 - Aug 2024*

- Implemented Observer, Singleton, and Factory design patterns
- Honed my Java syntax skills
- Deepened my understanding of Object-Oriented Programming

WORK EXPERIENCE

Self-Employed   **Feb 2024 - Sep 2024**

Software Engineer   *Remote*

- Developed a Python-based application for genetic analysis, including SNP analysis and protein interaction mapping.
- Designed a user-friendly interface for researchers to explore complex genomic data.
- Ensured data security and maintained client confidentiality throughout the project.

SKILLS

- **Skills**: C/C++, Python, Java, Javascript, Django, WebSocket, Rest APIs, Docker, Docker-Compose, Nginx, Linux/Unix, Multithreading, OAuth 2.0, JWT, PostgreSQL, Design patterns, OOP, Git