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EDUCATION & CERTIFICATES

Mohammed VI Polytechnic University – 1337 Coding School

Khouribga - Morocco

Software Engineering

- Focused on algorithms, low-level programming, web development, and DevOps in a self-paced.

Google UX Design Certificate (in progress)


Online – Coursera

UX/UI Design

- Completed up to *Conduct UX Research and Test Early Concepts*.
- Learned fundamentals of user-centered design, wireframing, prototyping, and usability testing.



PROJECTS

Pong Web Application | Real-Time Multiplayer Web Game

 rallyu


- Created a real-time multiplayer Pong game with WebSocket-based matchmaking and in-game communication.
- Implemented user authentication, customizable profiles, and persistent game statistics tracking.
- Integrated social features including friend management, private chats, and tournament system.
- Deployed the application in Docker containers with monitoring and logging (Prometheus, Grafana, ELK stack).

Full-Stack Java Web Applications & Java-Based Learning | Java, Servlets, MySQL

 java_modules |  fwa

- Built multiple Java applications using object-oriented design, file I/O, and exception handling.
- Developed a dynamic web application with user authentication, CRUD features, and database integration using Servlets and MySQL.


Web Chat Application | Real-Time Chat Application

 chat-box

Next.js, Tailwind CSS, Fastify, WebSocket

- Developed a minimalist real-time chat application with a clean, responsive UI using Next.js and Tailwind CSS.
- Implemented a Fastify backend with WebSocket support for seamless, bidirectional message flow.
- Designed a modular architecture for scalability and future feature expansion.

Real-Time IRC Chat Server | C++, Sockets, POSIX

 ft-irc

- Implemented a multi-client IRC server handling real-time messaging and user management.
- Managed socket connections, message parsing, and command processing following IRC protocol.

Docker-Based Web Platform | Full-Stack & Microservices

 inception

- Set up a secure, containerized web infrastructure using Docker Compose.
- Deployed NGINX, WordPress, MariaDB, and other services in isolated containers with custom configurations.

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, Java, C/C++, SQL (PostgreSQL, MySQL, SQLite)
- **Backend Frameworks & Technologies:** NestJS, Spring Boot, Fastify, Node.js, WebSocket, GraphQL, RESTful APIs
- **Frontend Technologies:** Next.js, React, Tailwind CSS, Framer Motion
- **DevOps & Monitoring:** Grafana, Prometheus, ELK Stack (Elasticsearch, Logstash, Kibana)
- **Developer Tools:** Git, Docker, Postman, Figma, VS Code, Vim, IntelliJ

CERTIFICATIONS

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|---|--|
| • Software Engineer – HackerRank | Credential ID: 12AD9207DF5E |
| • Responsive Web Design – freeCodeCamp | Credential ID: ismailassil-rwd |
| • Front-End Development – Udemy | Credential ID: UC-cb83dd85-ab78-4e42-a36f-e83cea766c27 |
| • Java – HackerRank | Credential ID: 722CC4F8833B |
| • Programming with JavaScript – Meta | Credential ID: D3DHCYZCA9G4 |
| • SQL – HackerRank | Credential ID: B6714D685B9D |