Ismail Assil

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 iassil.dev

EDUCATION & CERTIFICATES

UM6P – 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

Rallyu | Web Game Application   github.com/ismailassil/rallyu
- Created a real-time multiplayer Ping Pong game with WebSocket support and matchmaking. Integrated user authentication, profiles, and persistent game stats.

Java & Web Application Projects | Java, Servlets, MySQL

 github.com/ismailassil/java_modules   github.com/ismailassil/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.

Chat Box | Real-Time Chat Application   github.com/ismailassil/chat-box
Next.js, Tailwind CSS, Fastify, WebSocket
- Built a minimalist real-time chat application with a clean, responsive UI using Next.js & Tailwind CSS.
- Developed a Fastify backend with WebSocket support for seamless, bidirectional message flow.

ft_irc | IRC Chat Server | *C++, Sockets, POSIX*   github.com/ismailassil/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.

Inception | Dockerized Web Stack | *Docker, NGINX, MariaDB* github.com/ismailassil/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 (MySQL, SQLite)
- **Frameworks**: Next.js, React, Fastify, Spring Boot, Tailwind CSS, Framer Motion
- **DevOps & Monitoring**: Grafana, Prometheus, ELK Stack (Elasticsearch, Logstash, Kibana)
- **Developer Tools**: Git, Docker, Postman, Figma, VS Code, Vim, IntelliJ