Hamza Farissi

Casablanca, Morocco | P: +212 607511565 | hamzafarissi7@gmail.com
Portfolio: farissi.tech | LinkedIn: linkedin.com/in/hamzafarissi | Github: github.com/roxxe3

SUMMARY

I'm a self-taught **Full-Stack Developer** with a passion for building scalable applications and cloud-native solutions. My journey into tech has been driven by curiosity, persistence, and a love for problem-solving. I thrive on learning new technologies, figuring things out on my own, and turning ideas into real, working applications. Throughout my journey, I've built multiple projects that reinforce my skills in cloud computing, system design, and DevOps best practices.

As an **AWS Certified Solutions Architect**, I apply DevOps best practices to create efficient, high-performing applications. Now, I'm eager to bring my skills to a professional team, keep learning, and contribute to impactful projects.

TECHNICAL SKILLS

- **Languages:** C, C++, Python, JavaScript, TypeScript, SQL
- **Frameworks & Libraries:** Django, FastAPI, Node.js, Flask, React
- **Databases:** PostgreSQL, MongoDB, Redis
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, DynamoDB, IAM), Docker, CI/CD, Git, GitHub
- **Principles & Methodologies:** RESTful APIs, Microservices, System Design, Scalability, Test-Driven Development
- **Testing, Debugging & Other:** Unit Testing, Debugging Tools, Linux (Ubuntu), WebSockets

PROJECTS

Deribit-OEMS | *C++, WebSocket++, Boost.Asio, Redis*   Jan 2025
- Developed a low-latency trading system for order execution and management.
- Integrated real-time market data streaming via WebSockets for high-speed trade execution.
- Optimized order processing with asynchronous operations and Redis caching..

Image Processing Service | *FastAPI, Python, AWS S3, JWT Authentication*   Dec 2024
- Developed an API for image upload, transformation, and retrieval using **FastAPI**.
- Implemented various image transformations such as resizing, cropping, rotating, watermarking, and filtering.
- Integrated **JWT authentication** for secure access to image processing functionalities.
- Stored images securely using **AWS S3** and metadata in **SQLite**.

Taskify - Serverless To-Do List Application | *AWS Lambda, DynamoDB, FastAPI, Next.js*   Oct 2024
- Built a serverless to-do app with **AWS Lambda**, **DynamoDB**, and **Cognito**.
- Developed a **FastAPI** backend and **Next.js** frontend for a smooth UX.
- Used **AWS CloudFormation** for automated deployment and **AWS CloudWatch** for logging and monitoring.

EDUCATION

ALX Software Engineering Program (Certification Link)   (Remote, Africa)
Completed 3 Trimesters | Focus: Backend Development, Cloud Computing, System Design
- Covered C, Python, JavaScript, SQL, Linux, DevOps, APIs, and Web Development.
- Hands-on projects including API development, deployment automation, and system optimization.

University Hassan II   (Casablanca, Morocco)
Bachelor's Degree in Economics & Management   2019 – 2023
Certifications:
- AWS Solutions Architect - Associate (Certification Link)   Feb 2024
- AWS Cloud Practitioner (Certification Link)   Oct 2023

ADDITIONAL

Languages: Fluent in Arabic, English; French
Soft Skills: Problem-solving, fast learner, adaptability, teamwork
Interests: AI, system design, backend optimizations, cloud security