

Mohamed Amine SAYAGH

SOFTWARE DEVELOPER

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SUMMARY OF EXPERIENCE

Committed software developer professional with over **7 years** of experience. Successfully led and delivered over **13 projects** for **international clients** across various industries, consistently enhancing process delivery and enabling personalized experiences at multiple stages.

PROFESSIONAL EXPERIENCES

Cyber Cohesion Security Community's Firm

Research & Development, Web Tech Lead, DevOps • Self-Employ, Singapore • May 2023 - July 2024

- Architected and developed the logical structure of a **Kubernetes-based Namespace** by implementing a **Golang RESTful API** serving data access for a security competitions domain, integrated with **Kubernetes controller-runtime**. Enhanced deployment isolation and **pipeline productivity** (within a 1-month, 3-member team cooperation).
- Led the development of **internal libraries** to enable the creation of a **scalable microservice platform**. The platform included 2 dashboards, 1 RESTful API, 3 databases with **personalized caching and logging strategies**, and 2 landing pages. Additionally, **standardized development processes** were implemented, enhancing maintainability, scalability, while ensuring **web security compliance** (within a 7-month, 6-member team cooperation).
- **Reduced server query response time** of a **No-SQL database** by 11% through **database schema optimization** and **index refinement** (within 2 months).

Golang • Bash • Javascript / TypeScript • PHP • Docker & Docker Compose • Kubernetes • Nginx • MongoDB • MySQL • Restful • CI/CD pipeline development

Jonas Digital Agency Solar Digital Agency

Full Stack Web Developer • Freelance, London • July 2023 - On going

- Deployed a **cloud-based production** based on **NGINX** for containerized applications. **Optimized deployment workflows** through **CI/CD pipelines**, ensured rigorous testing, and achieved a **sixfold reduction in project development time** (within 4 weeks of development, followed by 5 months of continuous improvement).
- Enhanced marketing impact by adding **data visualization** for key KPIs and achieving over **90% performance on Google Speed Index** (continuous improvement, contributing within a 4-member sales team).
- Achieved **7 worldwide full-stack projects**. Implemented **responsive designs**, integrated **third-party APIs**, and achieved **high client satisfaction** (across a 6-month period).

JavaScript / TypeScript • PHP • Bash • WebHook • API Integration • Restful API • React • Cloudflare • Nginx • Docker • MySQL • Unite Testing • CI/CD

Lavish Trading Investment Agency

Full Stack Web Developer • Freelance, London • May 2022 - July 2022

- Developed a **web solution** with high standards of **front-end adaptability** and **user experience fluidity** by implementing a **single-page application** with **webhook** and **API integration** with a **PostgreSQL data center** for a global project managing over \$100 million in active investments, backed by 12 years of experience.

JavaScript / TypeScript • Next.js • Vercel • SMTP server • JS Web Workers • PostgreSQL • API Integration • Figma • Google Tag Manager

SKILLS

Cloud Services	Google Cloud • AWS • Oracle Cloud • Github Codespace • Heroku • Vercel • Cloudflare
Containerization and Orchestration	Docker • Docker Compose • Kubernetes • NGINX
Programming Languages	JavaScript / TypeScript • PHP • Golang • SQL • BASH
Front-end / Back-end	Vue/Nuxt • React/Next.js • Express • Nest • Tailwind • Dom • State Management: Redux.. • Tanstack • WordPress, Headless WordPress • Pnpm Monorepo • Next Turbo • Firebase • Kafka • Elastic Search
Database	MySQL • MongoDB • PostgreSQL • Redis
Version Control and CI/CD	Git • GitHub • GitHub Action
Testing Practices	Unit Testing (Jest) • Functional Testing (Cypress) • Regression Testing (Puppeteer) • Integration Testing (Supertest, Postman)
Artificial Intelligence	Open AI • ChatGPT-4 • Copilot • Midjourney • RAG • LangChain
Methodology and Standards	Agile • SOLID • Design Pattern • Clean Code • Distributive System • Serverless
Design	UI/UX • Design thinking • Photoshop • Illustrator • Figma

PROJECTS

Realtime Dashboard

June 2024 - August 2024 • [View the project repository](#)

- Developed a monolithic web application, **containerized** for a distributive system deployment, staged on a CI/CD testing process (within 2 weeks).
- Ensured **Quality Assurance** of the pipeline by implementing a cache build of the containers from multistage, integrated standardized database solutions like **Redis cache**, **indexation**, and **schema optimization** (within 2 months).
- Designed a database solution to **abstract labeling needs** of a scholar domain, resulting in a streamlined structure with 17 collections (within 1 week).

Zec: Data Parsing Library

May 2024 - July 2024 • [View the project documentation](#)

- Developed a PHP open-source library for **data parsing and serialization** by leveraging schema definition and modular, **extensible configuration management**.
- Ensured the library's **reliability and ease of use** through successful testing and comprehensive documentation.

Music NFT, Artist Sofiane Pamart

July 2021 - One week

- Collaborated in a **140-member team**, including **42 developers** led by Oussama Ommar, to develop visual NFTs for artist Sofiane Pamart, achieving successful project launch within one week.

EDUCATION

Master's in Big Data & Cloud Computing	University of Hassan II, Casablanca, expected graduation 2025
Bachelor's in Computer Science	University of Hassan II, Casablanca, 2022 - 2023

REFERENCES

[Cyber Cohesion](#) • [Jonas Digital Agency](#) • [Lavish Trading](#)

ACHIEVEMENTS

[Lavish Trading](#) • [Happy Water](#) • [Coreas](#) • [Greening Energy](#) • [Horde Studio](#) • [Cyber Cohesion](#) • [Figma Portfolio](#)

LANGUAGES

English • French • Arabic

ACTIVITIES

Tech writing (see [LinkedIn](#) or [Medium](#)) • Open source contributor • Tech mentoring