

# Mohamed Amine SAYAGH

## SOFTWARE DEVELOPER

|        |  |           |   |                   |   |
|--------|--|-----------|---|-------------------|---|
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| Phone: | Ma: <a href="tel:+212616137124">(+212) 616137124</a>           | GitHub:   | <a href="https://github.com/masayagh">github.com/masayagh</a>               | Portfolio:        | <a href="https://masayagh.com">masayagh.com</a> |

### SUMMARY OF EXPERIENCE

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

### PROFESSIONAL EXPERIENCES

#### Cyber Cohesion Security Community's Firm

Research & Development, Web Tech Lead, DevOps • Self-Employ, Singapore • 05/2023 07/2024

- Architected and developed the logical part of a **Kubernetes-based Namespace** by implementing a **Golang RESTful API** that serve data access for a security competitions domain, Integrating with **Kubernetes controller-runtime**. **Enhanced deployment isolation** and **pipeline productivity** (within a 1-month, 3-member team cooperation).
  - Led the development of **internal libraries**, enabling the creation of a **scalable microservice platform** comprising 2 dashboards, 1 RESTful API, 3 databases with **personalized caching and logging strategies**, and 2 landing pages. **Standardized development processes**, enhancing maintainability, scalability, with a **web security compliance** (within a 7-month, 6-member team cooperation).
  - Reduced server query response time of a **No-SQL database** by 11% through **optimizing the database schema** and **refining the indexing**. (within a 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 • 07/2023 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 • 05/2022 07/2022

- 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                     | Cloudflare • Google Cloud • AWS • Oracle Cloud • Github Codespace • Heroku • Vercel   |
| 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<br>• 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

06/2024 08/2024 • [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

05/2024 - 07/2024 • [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

07/2021 - 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

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|--|--|
| Master's in Big Data & Cloud Computing | University of Hassan II, Casablanca, since 2023  |
| 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