Mohamed Amine SAYAGH

S O F T W A R E   D E V E L O P E R

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Phone (Ma):	(+212) 616-137124	**GitHub:**	github.com/aminesayagh

Programming Lang: TypeScript, PHP, Golang

Portfolio: masayagh.com

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 Designed 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**. Improved deployment isolation and **pipeline productivity** (within a 1-month, 3-member team cooperation).
- Directed the development of **core software components** to build a **scalable microservice platform**. including automated process for improved maintainability and scalability. This resulted in **ease to maintain** platform with an ensured 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).

Key Skills: *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 Facilitated 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 with **third-party APIs**, and Secured **client satisfaction** (across a 6-month period).

Key Skills: *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 highly adaptable, **user friendly** single page web application by integrating **webhook and API integration** with a **PostgreSQL data center**, This solution supported a global project managing over $100 million in active investments, leveraging 12 years of industry expertise.

Key Skills: *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, Unified 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

- Authored 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** Guided 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

APPROVALS   *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