

Mohamed Amine

SAYAGH

SOFTWARE DEVELOPER

PROFILE

Committed to architecture systems engineering, I develop abstracted interface solutions to meet business domain needs by implementing maintainable, reliable, and scalable platforms, particularly in cloud environments, with an emphasis on initiative and leadership.

SKILLS

Cloud Services

CloudflareGoogle CloudAWSOracle CloudGithub CodespaceHerokuVercel

Containerization and Orchestration

DockerDocker ComposeKubernetesNGINX

Programming Languages

JavaScript / TypeScriptPHPGolangSQLC/C++

Front-end / Back-end

Vue/NuxtReact/Next.jsjQueryExpressNestTailwindDomState Management: Redux...TanstackNext TurboStorybookFirebaseKafka

Architecture, Protocols, and Integration

RESTful APIOAuth v2GraphQLWebSocketWebhook

Database

MySQLMongoDBPostgreSQLRedisKafkaElastic-Search

Version Control and CI/CD

GitGitHubGitHub Action

Testing Practices

Unit Testing (Jest)Functional Testing (Cypress)Regression Testing (Puppeteer)Integration Testing (Supertest, Postman)

Artificial Intelligence

Open AIChatGPT-4CopilotMidjourneyLlama2

Methodology and Standards

AgileSOLIDDesign PatternClean CodeDistributive SystemServerless

Design

UI/UXDesign thinkingPhotoshopIllustratorFigma

Content Management System

ShopifyWordPressStrapiHeadless CMS

EDUCATION

Master's In Big Data & Cloud Computing

University of Hassan II, Casablanca, since 2023

Bachelor's In Database Management

University of Hassan II, Casablanca, from 2020 to 2023.

REFERENCES

Certificate of Appreciation from [Cyber Cohesion](#)

Certificate of Appreciation from [Jonas Digital](#)

Certificate of Recommendation from [Lavish Trading](#)

ACTIVITIES

Tech Writer (see [LinkedIn](#), or [medium](#))

Open-Source Contributor    Tech Mentor

LANGUAGES

French

English

Arabic

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Phone:	Ma: <a href="tel:+212616137124">(+212) 616-137124</a>	GitHub:	<a href="github.com/aminesayagh">github.com/aminesayagh</a>
Portfolio:	<a href="masayagh.com">masayagh.com</a>	Medium:	<a href="medium.com/@masayagh">medium.com/@masayagh</a>
Programing lang:	TypeScript, Golang	Figma Portfolio:	<a href="figma.com">figma.com</a>

EXPERIENCES    Highlights from 7 Years of Experience

Cyber Cohesion    Security Firm

05/2023 - 06/2024

Research & Development, Web Tech Lead, DevOps

Self-Employ, Singapore

- Architected and deployed a Kubernetes-based Namespace management system, improving isolation levels and user experience by developing a Golang API interface for Kubernetes controller-runtime service.
- Led a web development team of 6, implementing and training team members in Agile methodologies.
- Designed and developed a web component library, enhancing the ease of maintenance and modification.
- Developed multiple key components including 2 dashboards, 1 RESTful API, 3 databases with advanced caching and logging, and 2 landing pages, ensuring compliance with web security standards and proposing an internal library to standardize development patterns.
- Increased server query response time of a No-SQL database by 11% through optimizing the database schema and refining the indexing process.

GoLangBashJavascript / TypescriptPHPDockerDocker composeKubernetesMongoDBMySQLNginxRestfulCI/CD pipeline development

Jonas Digital Agency    Solar Digital Agency

07/2023 - 03/2024

Full Stack Web Developer

Freelance, London

- Designed and developed a targeted website for Coreas Agency, enhancing client acquisition by collaborating closely with the marketing team to align with strategic objectives.
- Migrated and optimized deployment processes, adhering to high-performance standards and improving resource efficiency.
- Redesigned the web identity for a client agency with 12 years of experience, ensuring a modern and cohesive brand presence.
- Created an 8-section landing page in 13 hours, demonstrating rapid development skills and alignment with marketing directives.

JavaScript / TypeScriptPHPWebHookUI/UX DesignWordPressHeadless WordpressReactCloudflareNginxDockerTailwind

Lavish Trading    Investment Agency

05/2022 - 06/2022

Full Stack Web Developer

Freelance, London

- Developed a web solution with high standards of front-end adaptability and user experience fluidity by implementing a single-page application with Web-hooks and API integration.
- Designed a visual branding identity that met high design standards through collaboration with a team of developers and marketers.

JavaScript / TypeScriptNext.jsFigmaVercelAPI IntegrationGsapTailwind

Realtime Dashboard - Scholarship

06/2024 - 08/2024

- Developed a monolithic web application adhering to strict clean code standards by integrating 4 internal libraries and 2 applications, alongside a personalized testing environment with stringent linter configuration.
- Ensured high availability and performance of the serving infrastructure by integrating system database components like Redis and Kafka and Nginx, and containerizing with Docker.
- Designed a database solution to abstract all categorization needs of a department faculty, resulting in a streamlined structure with 17 collections, [View the project repertory.](#)

Zec: Data Parsing Library

05/2024 - 07/2024

- 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, [View the project documentation.](#)

Shinobi Boy

05/2021 - 02/2022

- Engineered data extraction and structuring from multiple web sources using Puppeteer and Express, integrating AI-verified, optimized images with CDN storage, indexed in a NoSQL database.
- Created a custom WordPress theme and conducted R&D efforts to optimize site performance.
- Ceased operations after ethical review, prioritizing responsible content management.

JavaScript / TypeScriptPHPMongoDbExpressMySQLGoogle CloudPuppeteer