



MAXIME ABYLON

Fullstack Software Engineer

Summary

Software Engineer with **5 years of experience** building scalable web applications, microservices, and real-time systems.

Experienced across defense, industrial, and drone-tech environments, with strong foundations in distributed systems, DevOps, and system architecture. Comfortable moving across frontend, backend, and infrastructure to deliver reliable products with fast iteration cycles and strong user focus.

Open to international opportunities, relocation, and remote work.

Experience

NOV 2024 – PRESENT

Software Engineer

Meteomatics

St. Gallen, Switzerland

React Angular FastAPI Node.js Docker Nomad Keycloak ELK GitLab CI/CD AMQP MQTT

- Engineered a **Big Data ecosystem** for weather data ingestion and distribution, utilizing **Elasticsearch** to index and query high-volume meteorological datasets in real time.
- Developed a **centralized configuration hub** for drone fleet management, providing a unified interface to streamline hardware and software orchestration across the organization.
- Defined and implemented **architectural decisions** for drone monitoring systems, prioritizing high-performance scalability, security, and mission-critical stability using MQTT.
- Ensured **24/7 mission-critical system availability** through robust CI/CD pipelines and Nomad orchestration, while providing active incident response as part of the on-call duty rotation.

NOV 2023 – NOV 2024

Software Engineer

Naval Group / Exail

Toulon, France

Angular React Node.js Docker Jenkins Ansible

- Developed **mission-critical fullstack applications** for anti-piracy warfare, following microservices architecture to distribute real-time situational data across isolated shipboard networks, across multiple device targets.
- Contributed to the **deployment of embedded software systems** for submarine drones.

MAR 2020 – AUG 2022

Fullstack Software Engineer

Thales

Aix-en-Provence, France

React.js Electron.js Node.js Elasticsearch Docker Jest Figma

- Developed an ELK-based platform for **large-scale log analysis**, reducing bug investigation and resolution time by about 30% on analysis workflows.
- Designed **UI/UX** prototypes in Figma and contributed to product usability improvements.

Projects

Markdown Resume Builder

GitHub: github.com/Osysh

Deno Fresh OpenAI VSCode

- Built a Markdown-based parser designed for highly customizable CV, authoring with minimal syntax overhead and strong AI integration.
- Designed an extensible Markdown dialect with semantic blocks, front matter configuration, and renderer-friendly structure.
- Developed the core parsing logic in Deno.
- Developing an AI-enhanced VS Code extension to streamline CV authoring, integrating intelligent autocompletion, real-time syntax validation, and automated CSS generation for a seamless developer experience.

Contact

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Skills

Technical Skills

Languages

JavaScript Python Go

Frontend

React.js Angular Electron HTML CSS

Backend

Node.js FastAPI Deno Supabase

DevOps & Infrastructure

Docker Nomad GitLab CI/CD Keycloak

Data & Messaging

Elasticsearch ELK Stack MQTT WebSocket

Testing & Quality

Jest Unit Testing Integration Testing

Product & Delivery

Agile Scrum Kanban UX/UI Figma

Soft Skills

Team collaboration

Ownership and accountability

Continuous learning

Cross-functional communication

Languages

French — Native

English — TOEIC 920, professional proficiency

Spanish — Elementary proficiency

Education

Master of Science — SeaTech

2018 – 2021

SeaTech | Toulon, France

Specialization in systems, networks, signal processing, data analysis, and software development.

Cloud Engineering Professional Certificate — Coursera

In progress

Coursera

Focused on cloud architecture, scalable infrastructure, and distributed systems.

Interests

🎵 Music

🏀 Sports

🔗 Hackathons and tech events