



# ABDELHAKIM MERINI

## SOFTWARE ENGINEER

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### SUMMARY

Software Engineer with a master's in computer science, specializing in Information Systems. Strong in software architecture and full-stack development, with experience building scalable, dynamic applications. Adaptable, quick-learning, and driven by innovation, with a focus on delivering efficient solutions and contributing to high-impact projects.

### SKILLS

Java, JavaScript, TypeScript, MongoDB, PostgreSQL, SQL, NoSQL, Studio 3T, Node.js, Express.js, NestJS, Socket.io, React, Redux, Jest, Tailwind.css, Postman, AWS, Google Cloud, Docker, CI/CD, NGINX, GitHub, GitLab, Microservices Architecture, SysML, UML

### EXPERIENCES

#### Full stack developer – Auto-entrepreneur

2023-Present    Remote

Led full software development, from requirements gathering to deployment, across multiple projects.

- Designed and structured database schemas in MongoDB by identifying key entities and relationships.
- Developed scalable backends with Node.js and Express.js, and built responsive user interfaces using React.
- Integrated Redux for efficient state management in React, minimizing re-renders and eliminating prop drilling.
- Implemented Socket.io to enable real-time data updates, ensuring seamless synchronization.
- Configured Nginx as a reverse proxy for load balancing and used PM2 for process management and monitoring.

#### Backend developer – PNV Digital

2022-2023    Remote

Collaborated with a frontend developer and the project owner to deliver complete software solutions.

- Applied object-oriented programming principles using NestJS framework with TypeScript.
- Integrated SOAP and JSON-based external APIs to connect with third-party services.
- Set up cron-based automation for background processes, improving system efficiency and reducing manual intervention.
- Set up CI/CD pipeline with GitHub Actions for automated testing and deployment.
- Deployed and managed backend services on AWS, leveraging EC2 for hosting and S3 for scalable storage.

### EDUCATION

#### Master's in Information Systems & Knowledges – 2024

Abou bekr belkaid University – **Tlemcen**

#### Bachelor's in Computer Science – 2022

Abou bekr belkaid University – **Tlemcen**

**Relevant Coursework:** Requirements engineering, Systems engineering, Software analyzing and conception, Advanced Data bases, Advanced Networking, Artificial Intelligence.

### LANGUAGES

English **C1**, French **C1**, Arabic **Native language**