ALA EDDINE LABBEN

FULL STACK DEVELOPER

⚲ Monastir, Tunisia · ▯ +216 52 058 361 · ✉ alaeddine.labben@gmail.com
in linkedin.com/in/alaeddine-labben

PROFESSIONAL SUMMARY

Versatile and results-driven Full Stack Developer with over 3 years of experience building robust web and mobile applications, complemented by advanced data science expertise from graduate studies. Proficient in PHP, JavaScript, Node.js, Vue.js, React.js, Next.js, and Flutter. Experienced in RESTful API development, hardware integration systems, database management, and implementing data-driven solutions across multiple platforms. Strong expertise in connecting software with physical access control devices and applying statistical analysis to extract actionable insights. Demonstrated ability to adapt to new technologies quickly and deliver high-quality solutions under tight deadlines.

EXPERIENCE

Full Stack Developer

AC Time International — Sousse May 2024 - Present

- Lead development of high-performance access control solutions serving 15+ enterprise clients across North Africa
- Architect and maintain full-stack applications utilizing Next.js, Node.js, Express, and MongoDB
- Implement DevOps best practices resulting in 60% faster deployment cycles and improved system reliability
- Design and develop RESTful APIs consumed by web and mobile applications with 25,000+ daily requests
- Mentor junior developers through code reviews and pair programming sessions, improving team velocity by 35%
- Optimize application performance through advanced caching strategies and database query improvements
- Collaborate with UX/UI team to implement accessible, responsive interfaces across multiple platforms

IT Project Manager (Interim Position)

AC Time International — Sousse March 2024 - May 2024 (2-month replacement)

- Led cross-functional team of 6 developers in delivering time-critical access control application update
- Successfully managed project planning, resource allocation, and timeline execution under tight deadlines
- Conducted comprehensive requirements gathering sessions with key stakeholders to align deliverables
- Implemented agile methodologies to improve team productivity, resulting in on-time project completion
- Served as primary liaison between development team and executive leadership for status reporting

Full Stack Developer

Carthago Time and Security Systems — Sousse June 2021 - March 2024

- Designed and implemented 8+ web and mobile applications focused on time management and access control systems
- Developed full-stack solutions using Vue.js, React.js, Node.js, PHP, and integrated Next.js and Nuxt.js frameworks
- Created and maintained RESTful APIs to support mobile applications with 10,000+ monthly active users
- Optimized database performance, reducing query response time by 40% through strategic indexing and query refactoring
- Implemented responsive UI designs that improved user engagement by 25% according to analytics
- Collaborated with QA team to troubleshoot issues and implement solutions for critical production bugs

Full Stack Development Intern

Leoni — Sousse February 2021 - June 2021

- Assisted in developing web functionalities using PHP, JavaScript, Vue.js, and Laravel
- Contributed to the implementation of a dashboard system that improved workflow visibility by 30%
- Collaborated with senior developers to optimize database queries and application performance
- Gained practical experience in front-end and back-end integrations within an enterprise environment

EDUCATION

Master's in Data Science

Institut Supérieur de Mathématiques Appliquées et d'Informatique de Kairouan — Tunisia Expected Completion: 2025

Applied License in Network Technology

Institut Supérieur de Mathématiques Appliquées et d'Informatique de Kairouan — Tunisia 2018 - 2021

Baccalauréat

Lycée Jammel 1 — Tunisia 2017 - 2018

TECHNICAL SKILLS

Programming Languages: PHP, JavaScript, Java, C#, Swift, Dart, Python, R
Front-End Frameworks: Vue.js, React.js, Next.js, Nuxt.js, Bootstrap, Tailwind CSS
Back-End Frameworks: Node.js, Express.js, Laravel, Nest.js
Mobile Development: Flutter, React Native, Swift
Databases: MySQL, MongoDB, PostgreSQL, Redis
DevOps & Tools: Git, Docker, CI/CD pipelines, AWS, Firebase
API Development: RESTful API design and implementation, GraphQL, OpenAPI
Data Science: Machine Learning, Statistical Analysis, Data Visualization, Predictive Modeling
Data Tools: Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib, Jupyter, Power BI, Tableau
Big Data: Hadoop, Spark, Data Warehousing, ETL Processes
Other: HTML5, CSS3/SASS, Responsive Design, Unit Testing, Agile methodology

KEY PROJECTS

Enterprise Time Management System

Carthago Time and Security Systems — 2022-2023

- Developed comprehensive time tracking system with role-based access control for 200+ enterprise users
- Implemented real-time notification system using WebSockets and integrated with biometric hardware
- Technologies: Vue.js, Node.js, Express, MongoDB, WebSockets

ZKT Terminal Integration Platform

AC Time International — 2024

- Architected and implemented a middleware solution to connect ZKT biometric terminals with enterprise web applications
- Developed SDK integration components facilitating real-time data synchronization between terminals and backend systems
- Created a unified API layer enabling seamless communication across heterogeneous ZKT device models
- Technologies: Node.js, Socket.IO, ZKT SDK, Redis, PostgreSQL

Dormaka Access Control Integration

AC Time International — 2024

- Engineered a custom connector library for interfacing with Dormaka security terminals across multiple client sites
- Implemented encryption protocols for secure credential transmission between application and terminal hardware
- Developed an admin dashboard providing real-time monitoring of all connected Dormaka terminals
- Technologies: PHP, Laravel, Dormaka API, Vue.js, Websockets

Enterprise Visitor Management Platform

Carthago Time and Security Systems — 2023

- Designed and built a comprehensive visitor management system deployed across 12 enterprise client locations
- Implemented features including visitor pre-registration, QR code check-in, host notifications, and security compliance reporting
- Created integration with existing access control systems for temporary credential provisioning
- Built a cross-platform visitor check-in kiosk application with photo capture and badge printing capabilities
- Technologies: React.js, Node.js, MongoDB, Firebase, Thermal Printer API integration

Mobile Access Control Application

Carthago Time and Security Systems — 2021-2022

- Built cross-platform mobile application for facility access management with offline functionality
- Integrated with NFC and QR code scanning for credential verification
- Technologies: Flutter, Firebase, RESTful API, SQLite

Predictive Maintenance System for Access Control Devices

Master's Project — 2023-2024

- Developed a machine learning model to predict maintenance needs for biometric access terminals
- Created a data pipeline for collecting and processing operational data from 500+ distributed terminals
- Implemented anomaly detection algorithms reducing system failures by 45% in pilot deployment
- Built interactive dashboard visualizing device health metrics and maintenance recommendations
- Technologies: Python, TensorFlow, Pandas, Docker, Grafana, Time-series Analysis

LANGUAGES

French: Professional working proficiency
English: Professional working proficiency
Arabic: Native proficiency

INTERESTS

Sports, Technology Innovation, Open Source Contribution