

Lakhdar Ben Zahia

Title: Sr Software Backend Engineer

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Education:

- Master's degree - Computer Engineering, ENS Algiers, Algeria

September 2012-June 2017.

Employment History:

Sr. Backend Software Engineer at YASSIR GmbH.

Berlin, Hybrid

January 2024-present

1. Designed and implemented a virtual assistant powered by LLMs, integrated with Yassir's CRM Knowledge Base, automating customer support by answering questions and creating tickets, handling thousands of requests per month.
2. Designed and implemented a scalable, highly available centralized authentication and authorization system with Keycloak, supporting over 2M DAU and ensuring GDPR compliance for Yassir's SuperApp, which offers mobility, last-mile delivery, and financial services. Integrated the system with Apigee for API management, streamlining authentication flows and simplifying complex processes across multiple products.
3. Improved testing methods and enhanced the logging system for backend services, reducing critical issues and enabling faster root cause identification for production problems.
4. Led and mentored team members while fostering growth and project success, and collaborated in cross-team workshops to share knowledge and drive innovation.

Technologies: JavaScript, TypeScript, Node.js, Express.js, NestJS, Golang, REST APIs, Jest, MongoDB, Redis, Git, Keycloak, Google IDP, Cloud Functions, Google Cloud Storage, Apigee, Terraform, Github, Github actions, Sentry.

Sr. Backend Software Engineer at KOLLABO AG.

Berlin, Hybrid

November 2022-December 2023

1. Contributed to a startup focused on transforming the skilled blue-collar workforce.
2. Enhanced testing methods for backend services, reducing critical issues.
3. Developed a robust logging system to monitor backend services and quickly identify root causes of production issues.
4. Designed and implemented secure, scalable APIs based on project specifications.
5. Maintained backend services and prepared them for releases and deployments on Heroku and AWS.
6. Collaborated in cross-team technical workshops to share knowledge and foster innovation.

Technologies: TypeScript, Node.js, Express.js, NestJS, REST APIs, Jest, PostgreSQL, Redis, Git, Heroku, AWS, Lambda Functions, S3, Heroku Connect, Terraform, datalog.

Sr. Backend Software Engineer at Healy World GmbH.

Berlin, Hybrid.

November 2021-2022

1. Contributed to groundbreaking wearable technology that integrates with smartphones to enhance health through frequency programs.
2. Improved backend performance by introducing modern technologies during API migration.
3. Led a seamless database migration, enhancing data management and operational efficiency.
4. Built a robust Full-Text Search API with Algolia, providing users with advanced search capabilities.
5. Prepared backend services for releases and deployments on GCP.
6. Collaborated in cross-team technical workshops to share knowledge and foster innovation.

Technologies: Python, TypeScript, Node.js, Express.js, NestJS, REST APIs, Jest, Firestore, Git, GCP, Firebase Cloud Functions, Google Cloud Storage. Algolia. Search engines, NLP. Terraform. Google logging.

Founding Software Engineer at Docta.

Algiers, Remote.

January 2020 - November 2021.

1. Led the formation of the technical team and successfully developed the MVP for an online health practitioner appointment booking platform.
2. Designed and implemented a monolithic architecture with a primary RESTful API, streamlining integration with frontend applications.
3. Prepared backend services for releases and deployments to the AWS ECS cluster.

Technologies: TypeScript, Node.js, Express.js, NestJS, REST APIs, Jest, PostgreSQL, Socket.IO, Redis, Git, ECS, AWS, Lambda Functions, S3. Terraform. Cloud watch.

Backend Software Engineer at YASSIR SPA.

Algiers, Hybrid

September 2017 — December 2019

Yassir Mobility Domain

1. Contributed to Algeria's pioneering ride-hailing app, expanding its reach across Africa.
2. Maintained backend services and prepared them for releases and deployments on GCP.
3. Developed and exposed secure, scalable REST APIs to support application functionality.
4. Played an active role in Yassir's platform expansion into new markets and regions.

Technologies: Python, JavaScript, TypeScript, Node.js, Express.js, REST APIs, MongoDB, Socket.IO, Redis, Pub/Sub, Git, GKE, Heroku, Cloud Functions, GCP, Google Cloud Storage.