

Mustapha Abdelaziz Khorsi
Software Engineer | Backend Developer

Contact Information:

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Location: Algeria

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Portfolio: khorsi-mustapha-abdelaziz.pages.dev

Professional Summary:

Software Engineer with 2+ years of professional experience in backend development and data intensive applications.

Technical Skills:

- **Languages:** Java, Scala & TypeScript.
 - **Frameworks:** Spring Boot, Java EE & Hibernate.
 - **Databases:** PostgreSQL & MongoDB
 - **Tools & Technologies:** Git, Docker, Maven & RESTful APIs
 - **Other:** Agile methodologies, Microservices architecture, Stream processing
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Professional Experience:

Developer Analyst

Entreprise d'Appui au Développement du Numérique (EADN), Algeria

September 2023 – Present

- Contribute to backend development for a large-scale digitization project in the investment sector.
- Implement design patterns in Java, improving code maintainability.
- Collaborate with team to address evolving client requirements.
- **Technologies:** Java 17, Spring Boot, Spring Data JPA, PostgreSQL, Git

Software Developer

B-link Solutions, Algeria

March 2023 – September 2023

- Developed new features for "Assurance ERP" serving +100 insurance agencies.

- Created an MVP for processing ATM transaction logs and aggregating these data for anomalies detection.
- Delivered the MVP functionalities on schedule for the bank client leading to contract agreement and client satisfaction.
- **Technologies:** Java EE 7, JPA, PrimeFaces JSF, Oracle SQL, iReport, Git, Payara Server

Research Developer Intern

DOMUS Laboratory - University of Sherbrooke, Canada

September 2021 – July 2022

- Developed stream processing algorithms for real-time anomaly detection for +20 smart homes.
 - Contributed to creating real-time dashboards using Grafana and Prometheus.
 - Implemented RESTful APIs for configurable anomaly detection.
 - **Technologies:** Kafka, Kafka Streams, Scala, Docker, MongoDB, FastAPI, Python, Grafana, Prometheus
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Education:

Master's Degree in Computer Science

Higher School of Computer Sciences (ESI ex INI), Algiers, Algeria

September 2017 – September 2022

Relevant academic projects :

- Developing Java programs simulating automata and applying operations on them.
[Github Link](#)
 - Cultivated team management experience as project lead for numerous academic projects.
 - Analysis of customer needs for a COVID alert system and development of a call for tender response.
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Languages:

- **Arabic:** Native
- **English:** Professional
- **French:** Professional