

Mohammed Islem Sid El Mrabet

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Skills

- **Programming Languages:** JavaScript, Python, Java
- **Frameworks and Tools:** Pentaho, Spark, Git, Vue.js, Docker, Hadoop
- **Databases:** SQL (MySQL, PostgreSQL, SQL Server), NoSQL (MongoDB, Cassandra)
- **Cloud Databases:** BigQuery, Bigtable, Spanner
- **Cloud and Distributed Systems:** Google Cloud Platform, Oracle 12g, Microservices
- **Languages:** English, French, Arabic

Education

- **Master's Degree in Computer Science**
Higher School of Computer Science SBA
09/2015 - 11/2020
Sidi Bel Abbes, Algeria
– Focus: Information Systems and Web Development.

Certifications

- **Google Cloud Certified Associate Cloud Engineer** 09/2023 - 09/2026
- **Google Cloud Certified Professional Data Engineer** 07/2024 - 07/2026

Experience

Data Engineer / Software Engineer

Groupe Chiali Sidi Bel Abbes, Algeria
03/2022 - Current

- Provided analytics and insights for various branches and departments.
- Implemented a business intelligence (BI) web app solution, including a Data Warehouse (MySQL), ETL batch pipeline and Vue.js.
- Developed a gateway between Salesforce and Sage V11 for improved data integration and automation.
- Developed internal web applications using Node.js and Vue.js, and managed SQL queries using SQL Server.
- Delivered L1 support for Sage X3 v11 and produced detailed documentation and reports.

Web Developer

SARL ILOGICIELS-IW Sidi Bel Abbes, Algeria
08/2021 - 02/2022

- Built an online medical lab results platform, enabling patients to access their lab results online.
- Documented the development process and provided reporting.
- Technologies used: Nuxt.js, Express.js, MySQL.

Software Engineer, Intern

ELIT

Algiers, Algeria

01/2020 - 08/2020

- Implemented a robust business intelligence solution, designing a Data Warehouse architecture with dimensional tables and ETL processes using Talend Open Studio.
- Utilized PostgreSQL for stable, ANSI SQL-compliant database management and MongoDB for flexible, document-based data storage, ideal for cloud-era applications.
- Leveraged the Spring Boot framework within a JavaEE platform to create RESTful microservices, enabling scalable and modular service deployment.
- Built the front-end using Vue.js, enhancing UI with components based on Material Design and interactive visualizations with ApexCharts.
- Applied security measures such as JSON Web Tokens (JWT) for secure session handling, allowing safe and identifiable communication within microservices.
- Used JPA (Java Persistence API) for organized data management within Java applications, ensuring efficient object-relational mapping.
- Employed Git for version control and GitHub for collaboration, facilitating organized, collaborative code management.

Other Badges

- Serverless Data Processing with Dataflow: Foundations
- Building Resilient Streaming Analytics Systems on Google Cloud
- Building Batch Data Pipelines on Google Cloud
- Modernizing Data Lakes and Data Warehouses with Google Cloud
- Smart Analytics, Machine Learning, and AI on Google Cloud
- Streaming Analytics into BigQuery
- Build a Data Warehouse with BigQuery
- Derive Insights from BigQuery Data
- Prepare Data for ML APIs on Google Cloud
- Engineer Data for Predictive Modeling with BigQuery ML
- Develop your Google Cloud Network
- Set Up an App Dev Environment on Google Cloud
- Implement Load Balancing on Compute Engine

Freelance Projects

Phones Sales WebApp (Late 2020)

- Designed for easy input of sales information including phone model, price, and buyer details.
- Technologies used: Vue.js, Bootstrap, Django.

Restaurant Delivery Website (First Half of 2021)

- Built a delivery platform allowing customers to browse and order food online.
- Technologies used: HTML, CSS, Bootstrap, Express.js, MongoDB.