

Education

**Honoris United Universities (EMSI), Casablanca**

Masters in Computer Science (Cloud Computing & Data Science)

Courses: AI, Machine Learning, NLP, Data Mining, Databases, Cloud Computing

Work  
Experience  
5+ years

**Freelance Software Engineer, EMEA**

Aug 2021 - now

- Co-founded & Developed an Audio-to-Video Editing Platform, using **Python, NLK, Pandas & ffmpeg**. (generated +120k \$ in revenue / 2 years)
- Developed an Algo Trading proprietary platform, aiming to simulate and remodel historical stock market data for higher forecasting accuracy, using **Python, Pandas, NumPy, Matplotlib, MongoDB, and predictive analysis**.

**Power Maroc (#1 IBM Business Partner in Morocco), Casablanca**

Software Engineer

Aug 2018 - Aug 2021

- Designed, Implemented & Migrated a Supercomputer Cluster for **Moroccan Meteorological Ministry** composed of 250 physical node. It included Virtualization technologies ( VMWare, kvm), IBM Spectrum Scale for shared storage and Redhat Linux / Satellite, Containization Docker/Kubernetes, MongoDB/Grafana/Prometheus and Python3.
- Designed, Implemented & Migrated the principal **Tax Ministry** platform. Putting in place the first IBM Linux One Mainframe in Africa/Asia, with kvm/Qemu on Redhat, IBM Db2 Purescale to insure high availability and disaster recovery for Data, and the same thing for Oracle RAC, Oracle GoldenGate. Entire migration of middleware layer composed of IBM Websphere Application Server, IBM Websphere Portal. With Python3 and Bash Scripting.
- Conducted the project of implementing a secure highly available IBM Websphere MQ for **Morocco Credit Bank**.
- Conducted & integrated the BI platform of Tax Ministry, composed of a highly available IBM Cognos Analytics, IBM DB2 / Oracle, and IBM Infosphere Datastage, by redesigning the entire ETL.
- Redesign and Migration of Temenos T24 Core Banking middleware infrastructure (120 Redhat Servers) for **Central Popular Bank**, with HA/DR. Using Python3, IBM Websphere Application Server, IBM MQ, IBM Db2 / MongoDB.
- Development & Integration of a monitoring platform (for 1500 application/serves ) for **Social Security Fund**, including IBM Jazz / Hadoop / Kafka / PostgreSQL with ML development in Python.

**Technical Skills**

Python, SQL, Docker, MongoDB, PostgreSQL, Relational Databases, ETL/Big Data, Machine Learning.