

# AMINE BENHAMZA

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## Data Architect & Tech Lead

### Profile

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**Extensive experience in data projects:** 15 years' experience; worked as Developer, Technical and functional Lead, IT Project Manager and Solutions Architect in various industries.

Would be involved in:

- ✓ Enterprise data programs: projects scoping, IT city map & urbanization, Data and Services Oriented Architecture
- ✓ Data architecture: data flows definition, technologies and tools benchmarking, data pipelines implementation
- ✓ Team and mentoring on new technologies (NoSql Databases, Hadoop Stack, Cloud)
- ✓ NoSql databases deployment and administration

**Technologies:** Magic XPI ★ Elastic.io ★ Talend (ETL, DQ) ★ Software AG (OneData, Webmethods) ★ Oracle ★ PostgreSQL ★ Sql Server ★ Terradata ★ Cassandra ★ MongoDB ★ Neo4J ★ HortonWorks ★ Spark ★ ElasticSearch ★ R Studio ★ Business Objects ★ Hive ★ Ruby ★ Java ★ Python ★ NodeJs ★ R ★ Shell ★ Git ★ DevOps ★ Docker ★ AWS★ GCP

### Professional Experience

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#### Solutions Architect

##### Magic Software, Boulogne-Billancourt

04/2018 – Present

- Architected and Implemented integration projects across various platforms
- Managed and monitored projects in production
- **Stack:** Magic XPI, Gigaspaces XAP, SAP, Web Services (Rest, SOAP), Cloud Solutions, Windows Server, ElasticSearch, Kibana, MS SQL, Oracle, Shell

#### Temporary Teacher

##### ESILV, La défense

01/2019 – 03/2019

- Mentored engineering students on NoSQL Databases: Cassandra (Apache & Datastax), MongoDB, Elastic Search (Kibana + Logstash) + Neo4J

#### Data Architect (MDM, Big Data)

##### Givaudan Company, Argenteuil

10/2012 – 09/2017

- **Master Data Implementation & Management**
  - Managed a team of 5 applications designers
  - Gathered users' requirements, lead projects' impacts analysis and estimation
  - Defined data governance, data quality rules & maintained master data glossary and procedures
  - Designed master data architecture, defined data models and data flows diagrams

- **Big Data & Data Science Implementation**

- Gathered and documented “data and predictive analytics” user requirements”, Defined the analytics platform architecture
- Benchmarked analytics tools and defined evaluation/decision grid

- **Stack:** Oracle, OneData, Webmethods, Talend ETL/DQ, PostgreSQL, Hortonworks, RapidMiner, Spark

## **Associate – Full Stack Developer**

### **AB Services, Paris**

**06/2009 – 06/2016**

- Explored social media monitoring market in France, identified business opportunities
- Built social media monitoring apps for Health Care, Insurance, Tourism, Politics & Consulting
- Blogged weekly and built a community
- **Stack:** Ruby, Java, Python, R, MongoDB, CouchDB, Neo4J, Heroku, NLP

## **Project Manager, Data Analyst**

### **Soft Computing, Paris**

**05/2008 – 09/2012**

- Managed middle size projects coordinating onsite and offshore resources, Scrum master
- Provided projects' committees with progress' reports, scorecards and forecast
- Collected business requirements and designed data architectures
- **Stack:** Oracle, Teradata, SAS, XIP (Axway Integration Platform)

## **ERP Designer and Builder**

### **ATOS ORIGIN INTEGRATION, Bordeaux/Paris**

**01/2005 – 04/2008**

- Led a team of 2 people
- Collected business and technical requirements, and elaborated tests strategy
- Designed technical solutions and built customizations
- **Stack :** Oracle Applications suite, Teradata

## **Education**

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### **CentraleSupélec – Ecole Centrale Paris (Saclay Campus)**

**2017-2018**

- Advanced Master (official Diploma: Mastère Spécialisé®) - Open Computer Systems Engineering
- Dissertation: Evolving from Relational to NoSql databases (MongoDB & Cassandra) – converting and migrating data models. **Stack:** PostgreSQL, MongoDB, Cassandra, Kafka, Spark, Docker
- Industrial Project: Implement NLP framework to determine customer reviews topic(s) and sentiment.  
**Stack:** Python (NLTK, Scikit Learn), AWS Lambda

### **Coursera.org – Johns Hopkins University**

**2015-2016**

Data Science Specialization: set of 9 courses and a capstone project (NLP)

### **ENSEIRB - Bordeaux Graduate School of Engineering**

**2001-2004**

Master in Computer Science - E-Management Specialization

## **Languages**

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Arabic & French: mother tongue

English: fluent