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**Abdoul Karim CISSE**

Senior Software Developer

**Java, Kotlin, Spring, Spring Boot**

**JHipster, Node.js, Angular, GitLab CI**

**Jenkins 2, Docker, Kubernetes, Helm, AWS**

## Skills

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### ➤ Languages et tools

- **Back-end: Java, Kotlin, Spring, Spring Boot, JHipster, Node.js**
- Front-end: HTML5, CSS3, JavaScript, Angular
- XML, **SQL**, Perl, **Bash**
- **Elasticsearch, Logstash, Kibana (ELK)**
- Google Web Toolkit (GWT)
- Eclipse, IntelliJ, Visual studio
- **Git, Maven, Gradle**

### ➤ DevOps and Cloud computing

- **Amazon Web Services (AWS)**
- **Docker, Jenkins 2, GitLab CI**
- **Kubernetes, Helm**

### ➤ Databases

- UML
- **Elasticsearch, Postgres, SQL Server, Oracle, MySQL, MariaDB, H2**

### ➤ Design and Architecture

- Object Oriented Programming (OOP)
- Functional Programming (FP)
- Design patterns
- **RESTFul Web Services**
- **Microservices**

### ➤ Tests

- Test Driven Development (**TDD**)
- Behavior Driven Development (**BDD**)
- **Integration Tests**

### ➤ Languages

- French: Bilingual
- English: Fluent
- Spanish: Basic
- Wolof: Bilingual
- Soninke: Bilingual

September 2018



## Senior Software Developer at Orange Wholesale

- **Back-end Developer:** Order Management Portal « Pseudowire »
  - Analyzing needs and challenging the business
  - Estimating tasks
  - Designing and implementing features
  - Fixing bugs
  - Promoting best practices and writing contributing guide for developers: **Git** branching, commit naming, merge request process.
  - Building an isolated development environment: API Mocks (Wiremock), Docker, Docker Compose

Languages and tools: **Java, Spring, Spring Boot, Maven, Git, GitLab CI, ELK, MariaDB**

Methodologies: **Agile/Scrum**

- **DevOps:**
  - Creating versioned **docker** images for services
  - Creating deployment templates for **Kubernetes** and **Helm**
  - Creating **GitLab CI** pipelines to automate deployment
- **Training:** Animating Coding dojos

March 2017 – June 2018



## Software Engineer at Oodrive

- **Back-end Developer:** Sharing and Synchronization collaborative solutions
  - Analyzing needs
  - Estimating tasks
  - Developing features and correcting bugs
  - Participating in the setup of best practices
  - Creating dashboards for incident analysis and performance monitoring

Languages and tools: **Java, Spring, Spring Boot, Maven, Git, Jenkins, ELK**

Methodologies: **Scrum/Kanban**

- **DevOps:** Team referent for continuous deployment process setup
  - Creating versioned **docker** images for our solutions
  - Creating deployment templates for **Kubernetes** and **Helm**
  - Creating **Jenkins** pipeline to automate de deployment
- **Training:** Animating Coding dojos
  - Test Driven Development (**TDD**)
  - Continuous deployment process



- Developing web application for online insurance quotations:  
**Java, Spring boot, Angular, Gradle, Apache Tomcat**
- Helping the project manager to take good decisions in order to guarantee higher quality of service
- Actively participating in the optimization of project transfers between project teams and operating teams
- Building a proactive Monitoring to enhance applications availability and performance
- Making a dedicated application performance and business reporting for BPMS and ARIS PPM solutions using **ELK stack (Elasticsearch, Logstash and Kibana)**
- Participating and Coordinating incident resolution actions: root cause analysis, components diagnosis and supervising corrective implementations
- Challenging the service center and promoting best practices for a better QoS.
- **DevOps and cloud**
  - Participating in DevOps transformation by coordinating and implementing continuous delivery tools and processes for our solutions (**JAVA, .NET, Maven, TFS, Git**)
  - Infrastructure provisioning and application deployment automation
    - Deploying the first AXA France application on **AWS (Elastic beanstalk, RDS, CloudFormation)**
    - Comparing different deployment methods
    - Giving feedbacks and recommendation about best practices
- Building and animating developer community in order to promote best practices (**TDD, BDD, Refactoring Legacy, Design patterns, SOA, Algorithmic**), involve people to share their knowledge and build relationship.
- **Training:** Animating Coding dojos, twice a month (subject selection, animate the coding session, make feedbacks)
- Technology watch: gathering and analyzing technological information and testing tools for collaborative platform

October 2012 - September 2014

### Information System Consultant at AXA France



- Improving the quality of service of our solutions by implementing proactive monitoring tools to monitor availability, performance and collect indicators for sensitive applications: **RESTFul Web Services, Java, C#**
- Implementing and/or coordinating corrective and evolutionary maintenance actions recommended by the service center
- Actively participating in the optimization of project transfer between project teams and operational teams
- Making a dedicated application performance reporting for ECM, BPMS and CTI solutions
- Making a capacity planning to offer the best quality of service at lower cost

October 2011 - September 2012

### Project Manager at AXA France



- Designing a streamlined project management process to orchestrate and improve monitoring of documentary deliverables within the BPMS projects implemented by the service center:
  - Analyzing of the subject and collecting needs,
  - Study projects management process,
  - Identification of all deliverables,
  - Sorting and standardization of documents
  - Design a simplified process
- Update the Gantt chart and monitoring of project progress, manage resources, especially to control the calendar.
- Participate in the modeling and documentation of platform architecture
- Participate in the establishment of a template report that will be shared, document where the business can express their needs in terms of applications, "design" GUI with an instant graphical restitution of his choice. (EXCEL, VB)



**Open Source Project with Mozilla Foundation: HTML5, CSS3, Node.js, Git**

**Slides Dynamiques:** <https://github.com/OresteVisari/Slides-Dynamiques>

Instant Slide share solution for meetings and trainings

- **Slide share** with one or multiple connected users
- **Broadcasting events to all connected clients using WebSockets:** next, previews, video and audio streaming
- **Public chat**
- **Private chat**
- **Offline mode**
- **Synchronizing video streaming** for all clients
- **Recording session for replay**
- Delegating presenter role
- Secured **authentication** through **HTTPS**.
- **Slide upload**



**Masters annual project: Team of 3 developers**

**Web application for property manager: UML, Java, GWT**

- Analyzing needs
- Design: classes diagrams and use cases diagrams
- Implementing features
  - Property management: real estate information, works, ...
  - Rental management: rent receipt, payments, charges, reminders, ...
  - Providers management
  - Co-owned Syndicate management: general meetings agenda, distribution,
  - Exports PDF, EXCEL
  - Accounting: Account management, treasury...



**Annual project of bachelor's degree realized in pair**

**Expense report application: UML, Java/Swing**

- Analyzing needs
- Design: classes diagrams and use case diagrams
- Implementing features:
  - Add/Modify/Create an expense
  - Add expense by type (transport, accommodation, meal, ...)
  - Add attachments (images, PDF)
  - Export PDF, EXCEL
  - Email

## Education

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**2012-2014 Master's degree – Apprenticeship:** Graduated with honor  
**MIAGE (Computer science and Management):** Evry University – CFA AFIA



**May 2014 CLES 2 - English**  
**Higher Education Language Skills Certification 2 (French CLES 2)**

**June 2008 Bachelor's degree, Sciences**  
Blaise Diagne Higher School - Dakar (Senegal)

## Hobbies and Interests

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- Computers, Sciences, Meetups, Ted Conferences, Personal development
- Football: with friends and colleagues
- Fitness: 3-4 times a week