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Abdoul Karim CISSE

DevOps - Cloud - Architect

**Docker, Kubernetes, Helm, AWS,
REST API, Microservices,
Java, Kotlin, Spring Boot**

Skills

➤ Languages et tools

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

➤ DevOps and Cloud computing

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

➤ 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

October 2019 – Now



DevOps – Cloud Architect at BivwAk! By BNP Paribas

DevOps – Cloud Architect:

Environment: **AWS, IBM Cloud, Terraform, Docker, Kubernetes, GitHub, Circle CI**

- Designing reference architectures for AWS and IBM Cloud
- Providing Cloud Native Apps Samples
- Setting up Continuous Integration and Continuous Delivery pipelines
- Promoting best practices for cloud patterns

September 2018 – August 2019

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



- **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



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

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