

Antoine de Bounam

Software developer

Email: adebounam@fastmail.com

Phone number: +32 (0) 471 11 28 97

Working experience

- Staff Software Engineer at Collibra, Feb 2022 – Apr 2025
Java, Spring & Spring Boot, Python, Django, Scala, SQL, RabbitMQ, Docker, Kubernetes, ArgoCD
- Lead Developer at 5th Floor, Sep 2020 – Jan 2022
Microservices, REST, CI/CD, Event Sourcing, Java 11, Spring Boot, JPA, JavaScript, Angular 11, BDD, Cypress, Docker, PostgreSQL, Agile, Scrum, Kanban
- Java / DevOps engineer at Swift, May 2019 – Sep 2020
Java 10, Kafka, Jenkins, Docker, Kubernetes, Openshift, EFK
- Technical Lead at Christelijke Mutualiteit (CM), Nov 2018 – Mar 2018
Java 8, Spring & Spring Boot, Oracle Advanced Queue, Oracle SQL database
- Senior Software Engineer at Eurocontrol, Oct 2017 – Oct 2018
Java 8, Spring Boot, JMS, AMQP, Camel, Hazelcast, Node.js, JavaScript, React, Redux, TDD, Docker / Ansible Playbook, Kubernetes, Openshift
- Java Application Developer at Smals, Sep 2014 – Sep 2017
Java, Spring, Activiti (Workflow engine), JavaScript, Angular, Oracle SQL Server, PostgreSQL, ElasticSearch, TDD, BDD, Jenkins, Kubernetes, Openshift, Docker.
- Analyst programmer at Netfilon, 2012 – 2013
PHP, Zend Framework, MySQL, JavaScript

Education

- AWS Certified Solutions Architect – Associate, Apr 2020
- Preparatory year for master degree in Computer Science at UNamur, 2016
- Bachelor in Computer Science at ULB – EPFC, 2011 - 2014

Languages

- French: native
- English: working proficiency (C1)
- Dutch: limited working proficiency (B2)
- Japanese: basic (JLPT4)

Resume addendum: Working experience at Collibra

AI Governance

Description: AI Governance is a new Collibra product that is helping companies manage their AI systems (models, agents, etc) to ensure key matters such as compliance and legal obligations.

Mission: I helped product and engineers collaborate efficiently to shape the key features required for the first releases and ensure the deadlines are met without sacrificing quality.

Data Lineage

Description: Data Lineage is an important product of Collibra for customers to understand how their data flows. This product was originally a startup, acquired by Collibra. The goal of this project is to improve drastically its scalability by bringing both changes in the code (moving to async communication, implementation of an orchestrator, etc) and in the infrastructure (moving to cloud native development).

Mission: I lead the effort on the code changes to deliver them in time without compromising on the quality. I participated actively in the infrastructure changes too.

Catalog Modularization

Description: Data Catalog is one of the central products of Collibra where customers can find and understand data across their sources. Data Catalog was originally part of the Data Governance. The goal of this project was to modularize it, meaning extracting it from the monolith and enforcing good practices such as separation of concerns, independent development and scalability to improve maintenance and team collaboration.

Mission: I helped meet our goal successfully by leading parts of the modularization and by ensuring we could plan and deliver predictably.

Resume addendum: Working experience at 5th Floor

Espacio

Description: Document management and document workflows.

Mission: For our client, ONE, the goal of this mission is to offer a complete solution to manage documents and workflows for the whole company. The architecture is defined in close collaboration with the enterprise architect to validate its requirements as a transversal and critical service.

Technologies: Java 11, Spring Boot, JPA, PostgreSQL, JavaScript, Angular 11, Docker, MinIO (AWS S3 compatible software)

Resume addendum: Working experience at Swift

Alliance Cloud (AC)

Description: This Software is a cloud application developed in Java on top of an event broker platform, which enables SWIFT customers to manage their business messages and files, as well as the user and configuration administration related to their business and institution organisation in a SWIFT private cloud.

Mission: Help the team deliver in production with the best practices regarding cloud native deployments and CICD. Improve the release procedure, enforce versioning, create Jenkins pipeline library to support the business needs to deliver frequently the applications in multiple flavours. This includes development when required (example: to implement a micro service, backend and frontend, to visualize the business audit logs).

Technologies: Java 10, GWT, Kafka, Jenkins, Docker, Kubernetes, Openshift, Elasticsearch, Fluentd, Kibana

Resume addendum: Working experience at Christelijke Mutualiteit (CM)

Member Information Application (MIA)

Description: The goal of the project is to centralize the information of the members of the health insurance. There's an existing solution which must be deprecated and replaced by this new project.

Mission: Coaching and taking responsibility for the technical output. Help to coordinate the developers work in alignment with the business requirements.

Technologies: Java 8, Spring (MVC, JDBC), Spring Boot, Vaadin 10, Oracle Advanced Queue, Oracle SQL database, WebLogic 12

Resume addendum: Working experience at Eurocontrol

Network Manager Business-to-business (NM B2B)

Description: The service interfaces provided for Eurocontrol customers to access all the available data and information.

Mission: Ensure support and change requests for an existing, robust platform.

Technologies: Java

Network-Common Enhanced Collaborative ATM (n-CONECT)

Description: A new version of the NM B2B (and other projects) to ensure the delivering of future NM service interfaces. Based on the most up-to-date technologies and enforcing the industry's best practices for scalability, reliability and performance.

Mission: Ensure the transition from the “legacy” NM B2B to the new n-CONECT platform while ensuring all the architecture qualities met the requirements.

Technologies: Java 8, Spring Boot, Camel, JavaScript (ECMAScript 6), React, Redux, Docker, Kubernetes, Openshift

Resume addendum: Working experience at Smals

Working environments

From most recent to oldest:

- Openshift 3, Docker, JBoss, PostgreSQL
- Openshift 2, JBoss, PostgreSQL
- WebLogic (10/12), Oracle SQL Server

We work with the Agile methodology and with tools like Jira, Crucible, Jenkins, Gitlab and Artifactory.

Belgium Resident Assessment Instrument (BelRAI)

Description: Web application used by care providers to evaluate patients' condition through forms in order to improve their care.

Technologies: Spring (MVC, REST), Angular

Security Logs WebApp (SecLog)

Description: Security logs are logs of critical information consultation from all applications. They are fetched to Logstash to be parsed and stored in Elasticsearch. A web application is developed to consult the stored data on mutable criteria.

Technologies: Elasticsearch, Logstash, Spring.

Source Authentique des Acteurs(SAA)

Description: A database and a web application designed to register actors in the pharmaceutical domain. The web application is used both by the actors and the administration people at the FAMHP (Federal Agency for Medicines and Health Products). The database is meant to be the authentic source for the pharmaceutical's actors.

Mission: Participate to the development of the web application

Technologies: Spring, Hibernate, Apache ActiveMQ

eHealth applications monitoring

Description: The monitoring is designed to keep an eye on applications in production. For this purpose, we set alarms for performance or availability.

Technologies: Elasticsearch, Logstash, Batch (cron jobs).

Source Authentique des Certificats d'Exportation (SACEX)

Description: The FAMHP agency has a procedure to allow pharmaceutical companies to export medicines in Belgium.

Mission: Creation of a Web application instead of the traditional paper form. The application must cover the entire procedure in a more efficient and automatized way.

Technologies: Activiti (Workflow Framework), Hibernate, Spring Framework.

Source Authentique des Médicaments v2 (SAMv2)

Description: SAM provides all the information about medicines (e.g. composition or reimbursement) introduced by three public institutions (FAMHP, BCPI - Belgian Centre for Pharmacotherapeutic Information and NIHDI - National Institute for Health and Disability Insurance) intended to be used by hospitals, pharmacies and doctors.

1st mission: Refactoring of the first version of the project into Web Services for clients and the target audience with an abstraction of the database (as opposed to first version) and a better handling of the historization process.

Technologies: JBehave (for BDD), JUnit, Unitils, SoapUI, Apache Camel, REST (with Jax-RS).

2nd mission: Take the technical lead on the project: coaching new developers on the project, coordinate the progress with the SCRUM master, create performance tests, handle the deployment in our environments (test, integration, acceptance and production), etc.

Technologies: JMeter (for performance tests).

Migration

Mission: Migration of existing applications from WebLogic to JBoss server.

Technologies: WebLogic, Oracle SQL Developer.

Vlaamse Sociale Bescherming(VSB)

Description: VSB is an application that handles the affiliation of Flemish people. It represents approx. 7 million people and it is handled in cooperation with healthcare fund.

Mission: Improve test coverage of the application (unit tests and functional tests).

Technologies: Spring Framework, JUnit, Unitils.

Resume addendum: Working experience at Netfilon

Management of the entrance for a night club

Description: The system is used by hosts on a tablet. New members are subscribed with their identity cards.

Technologies: Java (Applet eID), PHP, MySQL, Javascript (JQuery), HTML, CSS.

Management of members for a night club

Description: The system is a web platform giving access to a number of data related to the night club: events, members, number of visitors per event, etc. The platform provides detailed statistics related to these data.

Technologies: PHP (Framework Zend), MySQL, Javascript (JQuery), HTML, CSS.

E-commerce platform

Description: Complete web application for E-commerce custom-made to fill the specific needs of the client.

Technologies: PHP (Framework Zend), MySQL, Javascript (JQuery), HTML, CSS.

E-mailing platform for companies

Description: The application is split into two parts. First of all, the engine that allows the users to send e-mails to a great number of clients on a regular base. Second, a platform that allows the users to manage his campaigns and to consult the statistics related to these sent e-mails (received, non-received, opened, etc.)

Technologies: PHP (Framework Zend), MySQL, Javascript (JQuery), HTML, CSS.

Billing platform for companies

Description: The application provides a basic accountancy for small and medium companies. This system includes the management of the customers, the billing, the reminders, the statistics, generating PDF files, etc.

Technologies: PHP (Framework Zend), MySQL, Javascript (JQuery), HTML, CSS.