



Frédéric Collette

Senior DevOps Engineer - 19 Years Experience

44 years old
- Driving License
- Tokyo (157-0076)
Japan



I have been a backend developer and devops for over 19 years in various industries (IoT, insurance, finance...) and have most enjoyed working in teams where everyone gets involved and adds value to the project.

f.collette@protonmail.com

+81-80-3708-0444

EXPERIENCES

DevOps Senior Engineer



Kumori Labo, Inc. - Since January 2024 - Full-time - Tokyo - Japan

- ▶ Auditing and consulting about some software supply chains, whose GitLab and JFrog Cloud
- ▶ Preparations and leading hand-over training sessions about Continuous Integration and Continuous Delivery (especially Harness platform)
- ▶ Writing technical comparisons of different CI/CD platforms (Bitbucket Pipelines, CircleCI, GitHub Actions, GitLab CI/CD, Harness)
- ▶ Continuous improvements in Harness pipelines (caching, decrease in execution time, policy-as-code compliance approach, and reductions of cost)

Lead Software Engineer & DevOps



Invast Securities - November 2019 to January 2024 - Full-time - Tokyo - Japan

- ▶ Responsible for self-hosted servers migrations into cloud platforms : from Jenkins 2.x into Harness, from Bitbucket server into Bitbucket cloud, from SonarQube into SonarCloud, from JFrog server into JFrog Cloud
- ▶ Backend tech lead of Forex AI trading solution MAiMATE (<https://www.mai-mate.com/>) migration based on event-driven microservices architecture and deployed into AWS
- ▶ Maintenance and optimizations of the software supply chain : Bitbucket Cloud, JFrog Cloud, Harness pipelines, SonarCloud, and deliveries into AWS EKS, Lambda, and S3

Senior Java Developer & DevOps



Assignment at Invast Securities for AMM Recruitment - May 2019 to October 2019 - Contractor - Tokyo - Japan

In charge of building Jenkins 2.x multi-languages (Java / Python / JavaScript / Go / C#) and multi cloud resources (AWS EKS / S3 / Lambda) deployments pipelines

Lead Software Engineer



L.Crown - January 2018 to February 2019 - Full-time - Tokyo - Japan

- ▶ Responsible for technical migration and developments of IoT application L.Holon back-end
- ▶ Software craftsmanship coaching (clean code, continuous testing and deployment, processes building, training session animation, living documentation, technology watch)
- ▶ Research and development for IoT project proposals : hardware contexts with software integration of an open-source IOT platform ThingsBoard

SKILLS

Languages

- ▶ French (mother tongue)
- ▶ English (fluent)
- ▶ Japanese (basic knowledge)

Systems

- ▶ Alpine 3.20.x / Debian 12.x / Fedora 40.x
- ▶ Windows 11.x

CI / CD

- ▶ BitBucket Pipelines / CircleCI / GitHub Actions / GitLab CI/CD / Harness / Jenkins 2.x
- ▶ Backstage / Cookiecutter / Projen
- ▶ Buildah / Crane / Docker / Kaniko / Podman
- ▶ Helm / Kubernetes (Linux/Windows containers)
- ▶ JFrog Artifactory / JFrog Xray / Nexus Repository
- ▶ Puppet / Terraform 1.x / XL Deploy
- ▶ Open Policy Agent

Programming Languages

- ▶ Java 21.x / Groovy 4.x
- ▶ Bash 5.x / PowerShell 7.x
- ▶ Python 3.12
- ▶ PL / SQL

Development Tools

- ▶ Eclipse / IntelliJ / Visual Studio Code
- ▶ Bitbucket Cloud / Github / GitLab
- ▶ Checkstyle / CPD / Gradle 8.x / JaCoCo / Maven 3.x / PMD / Spotbugs
- ▶ Bandit / Flake8 / Mypy / Poetry / Pylint / Ruff / Nox
- ▶ Bun / Biome / ESLint / NPM / PNPM / Yarn
- ▶ Go / Golangci-lint
- ▶ DotCover / Dotnet / ReSharper
- ▶ Checkov / TFLint / TFSec
- ▶ Hadolint / YAML Lint
- ▶ SonarCloud / SonarQube / SonarScanner

Frameworks & Libraries

- ▶ Spring Boot 3.x

Senior Java Developer & DevOps



GMO Globalsign - June 2017 to January 2018 - Full-time - Tokyo - Japan

- ▶ Development of an Authentication Gateway to integrate Novell NetIQ Advanced Authentication server
- ▶ One Time Password HOTP/TOTP REST API building integrating Novel NetIQ AA
- ▶ Conception of a containerized CI/CD Java Software factory

Senior Java Developer

Assignment at Crédit Agricole Assurances Gestion Informatique et Services for HN Services - February 2017 to May 2017 - Freelancer - Paris - France



- ▶ Domain Driven Design overhaul in Java 8 for the document editing module Pegase involving Bdoc Suite software package
- ▶ Integration of a business rules management engine : IBM Operational Decision Manager on Cloud for the insurance warranties pricing automation

Senior Java Developer

Assignment at Société Générale Corporate and Investment Banking for Soat - May 2013 to December 2016 - Consultant - Puteaux - France



- ▶ "Cascade" project: workflow of Sales/Trader/Middle office for vanilla derivatives communicated verbally or via FIX messages
- ▶ Technical coordination of a nearshore team (6 developers) based in Bucarest
- ▶ Responsible for the integration and evolution of digitalisation: managing protocols FIX RFQ-HUB, TRADEWEB, BLOOMBERG and proprietary protocol FIX_SG
- ▶ Reducing query run time of OTC and listed options using pricing automation

Frontend Developer



Assignment at Skandia for Soat - March 2012 to October 2012 - Consultant - Puteaux - France

- ▶ Modernising the external portal for asset management (existing for 10 years)
- ▶ Creating the new multi browser user interface
- ▶ Rewriting user modules: contact requests and document management, password renewal...

Design Engineer & Java Developer

Assignment at Pacifica Crédit Agricole Assurances for Soat - March 2009 to March 2012 - Consultant - Paris - France



Responsible for the OPEN applications (Java/J2EE) as : "CEM"(application for centralising document editing and publication requests), "SD CRE" (real time publication system for insurance events reports), "SAC NI" (proxy server for desktop NEPTUNE dedicated to customer service advisors) and "GEF" (application enabling secure exchanges of business files with partners)

Java Developer

Assignment at Linedata for Soat - April 2008 to February 2009 - Consultant - Antony - France



- ▶ SOA overhaul for the insurance software package MasterI
- ▶ Reverse engineering of existing business services written in Magic xpa
- ▶ Developing equivalent business services in Java

- ▶ Spring Batch / Cloud (AWS/Config/Gateway/Kubernetes)/ Data (JDBC/JPA/Redis) / Kafka / Retry / Security / Web
- ▶ Axon Framework / Server 4.x
- ▶ Flyway 7.x / jOOQ 3.x / Redis 7.x
- ▶ Bats 1.x / JUnit 5.x / Pester 5.x / Pitest 1.x / Spock 2.x
- ▶ Mountebank / REST-assured / Testcontainers 1.x
- ▶ Guava / Lombok / MapStruct / Vavr

Cloud Services

AWS Services (API Gateway, CloudFront, Cognito, ECS, EKS, ElastiCache, KMS, Lambda, MSK, RDS, S3, Secret Manager, SES, SQS)

Application Servers

- ▶ Apache Tomcat / JBoss / Weblogic / WebSphere
- ▶ Nginx

Databases

MySQL / Oracle / PostgreSQL

Network & Protocols

- ▶ gRPC / HTTP/2 / TCP / UDP / WebSocket
- ▶ Apache Kafka / MQTT
- ▶ Corba / RMI / Tibco Rendezvous

Methods

- ▶ Scrum / Kanban
- ▶ UML

Other Tools

- ▶ Atlassian Cloud (Confluence / Jira) / Microsoft 365 / Notion
- ▶ Postman / SoapUI
- ▶ Fiddler / Firebug / Wireshark
- ▶ Quality center / Slack
- ▶ Apache FreeMarker / JBake
- ▶ AsciiDoc / Graphviz / PlantUML

INTERESTS

Culture / Arts

- ▶ Japanese learning
- ▶ African dances

Travel

Trekking (Costa Rica, France, Japan, Morocco, Romania, Spain, Thailand)

Java Developer



Assignment at Thales EPM for Object'ive - October
2006 to February 2008 - Consultant - Orsay -
France

- Migrating the TCL document management application MODULO into J2EE
- Improving the multi-frame and multi-window HCI with JSP and Javascript

Test & Software Quality Assurance Engineer



Assignment at Sagem for Coframi - December
2005 to September 2006 - Consultant - Massy -
Palaiseau - France

- Real time tests for embedded systems on Airbus A380 (code coverage, value limits and memory leaks)
- Passed the aviation quality certification DO-178B

Research & Cryptology Development Student



Internship at Thales communications - March
2005 to September 2005 - Student Project -
Colombes - France

State of the art dealing with passive attacks against GSM ciphers A5/1 and A5/2

EDUCATION

Master In Computer Science And Mathematics For New Technologies

UNIVERSITY AIX-MARSEILLE II
2004 to 2005

Passed with distinction

Certification

AWS

Since January 2025

SAA-C03 - AWS Solutions Architect - Associate

Internal Training Courses

SOAT & SOCIETE GENERALE

2015

Clean code coaching (TDD & BDD), web and ORM frameworks

Advanced Java Programming & Human-computer Interaction

C.N.A.M. PARIS

2004 to 2008