

# Nicolas Macé

SOFTWARE DEVELOPER · GRADUATE ENGINEER

Paris 75013 - AXA France

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## Summary

Backend Java Developer at AXA France with a strong focus on software craftsmanship, clean architecture, and modern development practices. I build maintainable APIs using Java 21 and Spring Boot, deployed on CaaS Kubernetes with event-driven architectures (Kafka). Passionate about code quality and best practices: Test-Driven Development, clean code principles, functional programming concepts, and real-time/concurrent systems. I thrive in agile environments where continuous learning and technical excellence are valued. My engineering background combines hands-on experience with distributed systems, cloud-native architectures, and a keen interest in emerging technologies (blockchain, modern JVM languages). Open to opportunities in innovative fintechs and scale-ups working with modern backend stacks (Java, Kotlin, functional programming).

## Education

### Polytech Angers, University of Angers

MASTER'S DEGREE IN COMPUTER SCIENCE – AUTOMATED SYSTEMS (ENGINEERING DEGREE)

- Software development, automation, modeling, embedded systems
- Projects in Java, Python, C/C++, SpringBoot, real-time systems

### Polytech Angers, University of Angers

INTEGRATED PREPARATORY COURSE – ENGINEERING SCIENCES (CPGE)

- General scientific curriculum: mathematics, physics, computer science, electromagnetism, algorithms

## Work Experience

### AXA France

BACKEND JAVA DEVELOPER (FULL-TIME SINCE MARCH 2024)

Nanterre, France

Sep. 2023 – Present

- Developing backend services using **Java Spring Boot (versions 17 and 21)**.
- Working on API orchestration and implementation using REST (OpenAPI/Swagger) and SOAP (WSDL).
- Deployment with **Kubernetes** containers on OpenShift (Red Hat) via Azure DevOps.
- Working on a **KYC** project using **Kafka**.
- Tools and practices: Maven, Git, **Azure DO**, **ElasticSearch** with Kibana, **Sonar Pipelines**.

### AXA France

TEST AUTOMATION INTERN

Nanterre, France

May 2023 – Aug. 2023

- Developed automated test solutions in VBA for functional testing.
- Worked with Adobe Campaign, Selenium (Python), Ready API, and SOAP UI for API testing.

### Polytech Angers / Université du Mans

Angers, France

Jan. 2023 – Apr. 2023

AI DEVELOPER INTERN (YOLOv7 - VIDEO PROCESSING)

- Created custom dataset and trained a YOLOv7 model to detect body parts in medical videos.
- Implemented and evaluated the model using Python, analyzing accuracy and performance.

### University of Bradford / xHumanity

Bradford, United Kingdom

Apr. 2022 – Aug. 2022

WEB DEVELOPER INTERN (MERN STACK)

- Worked on xHumanity platform using React, Node.js (MERN Stack).
- Conducted blockchain development and research activities.

### French Ministry of Ecology (DREAL Pays de la Loire)

Nantes, France

Jun. 2020 – Aug. 2020

IT SUPPORT TECHNICIAN (INTERNSHIP + FIXED-TERM CONTRACT)

- Secured network environments, prepared system images, sanitized sensitive data.
- Provided technical support and troubleshooting for staff.

## Skills

### LANGUAGES

- English: C1 level certified, TOEIC 2022 score: 975/990.
- French: Native.
- German: Notions

### TECHNICAL SKILLS

- Main programming language: Java (Spring, Maven).
- Experience with various languages through academic courses and projects: C, C++, C#, JavaScript, PHP, Python, SQL, TypeScript.
- Ops experience with Docker, Kubernetes

## Extracurricular Activity

### CLIMBING

- Over 10 years of regular practice, demonstrating consistency and discipline.
- Experience in supervising and coaching children.

### SKYDIVING

- Holder of A, B, B2, and BPA licenses, with 250 jumps completed.

### TRAVELING

- Open-mindedness and adaptability through various trips abroad.