



Ludovic Kernalléguen

Software Architect & Technical Lead

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🕒 Europe/Paris Timezone

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📄 Resume PDF

SKILLS

Technical (Java, Spring Boot, Elasticsearch/Opensearch, RabbitMQ, Docker, CI/CD (Jenkins))

Methodology (DevOps, Agile, Scrum)

Leadership (Team management, Project coordination, Mentoring)

EDUCATION

MSc in Chemoinformatics

University of Strasbourg, France
2005 - 2006

MSc in Mechanics and Engineering, Biomechanics Option

University of Strasbourg, France
2005 - 2005

Engineering Degree in Chemistry, Polymers Option

European School of Chemistry, Polymers and Materials (ECPM) of Strasbourg, France
2002 - 2005

LANGUAGES

French (Native)

English (Fluent)

German (Intermediate)

INTERESTS

Travel

Reading

Lego

Concerts

CAREER PROFILE

Software architect and technical lead with nearly 20 years of experience in enterprise application development. Expert in Java technologies, databases, and microservices architectures. With a dual background in chemical engineering and computer science, I have successfully evolved from development roles to technical leadership and team management, while maintaining deep technical expertise. I am particularly experienced in document management systems, archiving standards, and cloud SaaS application deployment.

EXPERIENCES

Technical Lead & Architect - Zero Vrac

2023 - Present

Spark Archives, Le Plessis-Robinson

As Technical Lead and Architect, I lead a team of 5 developers for the creation of an innovative digital content management solution. I designed the microservices architecture in a containerized environment and implemented the complete CI/CD pipeline and infrastructure. I actively contribute to backend development while ensuring effective coordination with the product team. I organize work according to agile methodology with 3-week sprints to ensure regular delivery of quality features.

🔧 Java 21, Spring Boot, React, Opensearch, RabbitMQ, Docker, CI/CD, Jenkins, DevOps, Agile Methodology, Scrum, Microservices architecture, SaaS, Team management, Project coordination

Software Architect - Spark Solution

2018 - 2023

Spark Archives, Le Plessis-Robinson

I evolved into the role of architect for the physical and electronic records management solution, taking responsibility for the technical architecture and technology choices. I ensured software compliance with NF and ISO standards for electronic archiving, while driving the modernization of the technical stack to improve system performance and scalability. I also developed custom Maven plugins to optimize and automate our build processes, as well as IntelliJ IDEA plugins to enhance the development team's productivity and standardize coding practices. Additionally, I designed and developed an Android client in Kotlin, deployed on Honeywell Dolphin CT 40 terminals, enabling warehouse operators to track and manage physical archive operations.

🔧 Java, JSF, PostgreSQL, Elasticsearch, RabbitMQ, ISO and NF standards for electronic archiving, Maven plugin development, IntelliJ plugin development, Kotlin, Android

Tech Lead - Spark Solution

2015 - 2018

Spark Archives, Le Plessis-Robinson

As technical lead of the R&D team, I coordinated the development and integration of various components of the Spark solution. I took charge of developing critical functionalities and provided technical supervision to developers, while maintaining a high level of code quality and establishing effective development practices.

🔧 Java, JSF, PostgreSQL, Elasticsearch, RabbitMQ, Technical leadership, Mentoring

Senior Developer - R&D Team

2013 - 2015

Spark Archives, Le Plessis-Robinson

I joined the R&D team for the development of the Spark solution, where I participated in the design and implementation of records management features. I actively contributed to the evolution of the technical stack, proposing and implementing improvements to optimize the application's performance and usability.

🔧 Java, JSF, Oracle, PostgreSQL, Elasticsearch, RabbitMQ

Tech Lead & Project Manager

2010 - 2013

Kleegroup, Le Plessis-Robinson

As technical lead on web application projects for government agencies, I managed projects and coordinated development teams. I took responsibility for maintenance and bug resolution for delivered projects, ensuring client satisfaction and stability of deployed solutions.

🔧 Java, JSP, SQL, PL/SQL, Oracle, Tomcat, Project management, Mentoring

Full Stack Developer

2007 - 2010

Kleegroup, Le Plessis-Robinson

I developed web management applications using Java/JSP for various government clients. Notably, I created a desktop application in C#/WPF for the Ministry of Defense and developed a WPF component library for managing the national defense service day. I was also responsible for installing and configuring client environments, including Tomcat servers and Oracle databases.

🔧 Java, JSP, C#, WPF, SQL, PL/SQL, Oracle, Tomcat