

Nicolas Dréno

Solution Architect

📍 Aix les Bains, Auvergne-Rhône-Alpes, FR

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in [nicolasdreno](#)

👤 ABOUT

Experienced Solution Architect with expertise in cloud-native systems, integration solutions, and API management. Skilled in designing and implementing scalable, secure, and innovative solutions across diverse industries. Passionate about simplifying complex systems and delivering business value.

📁 WORK EXPERIENCE

Architect, NumSpot

2023-Nov - Present

Leading architectural strategies and innovations for a Sovereign Cloud provider, with a focus on open-source solutions and cloud-native services.

HIGHLIGHTS

- Enhancing cloud-native services, PaaS offerings, and API management solutions.
- Streamlining infrastructure and improving service reliability through collaboration with cross-functional teams.
- Driving adoption of scalable, secure, and open-source technologies aligned with industry best practices.
- Contributing to conformity requirements like SecNumCloud qualification

Senior API Architect, Back Market

2022-Sep - 2023-Nov

Shaped the API strategy, architecture, and community practices for a fast-growing e-commerce platform, driving API-first initiatives and modernising the technical ecosystem.

HIGHLIGHTS

- Defined the transversal API vision and coached teams to improve API quality (DDD, OAS reviews, linting, Stoplight).
- Led the design of future-state architectures, including event-driven systems and '3-layered architecture' (Experience, Composite, Domain APIs).
- Evaluated and implemented API Gateway solutions and rationalised service-to-service communication.
- Redesigned authorisation using OPA and contributed to domain-driven design initiatives.

Solutions Architect, The Warehouse Group

2021-May - 2022-Jun

Delivered scalable integration and streaming solutions, modernised API management, and drove DevOps initiatives for a leading retail group.

HIGHLIGHTS

- Designed and implemented integration solutions for Master Data Management using Kafka, AKS, and Spring Boot microservices.
- Enhanced API management with OAuth2.0, OpenAPI standards, and JSON Schema governance.
- Promoted DevOps practices by creating pipelines and automation tools to optimise deployments.

Head of Engineering, Qard

2021-Feb - Present

Fostering collaboration, mentoring talent and shaping the future of digital finance through technology at Qard, a dynamic fintech company.

HIGHLIGHTS

- Leading the engineering team to design and deliver innovative financial solutions.
- Specialising in scalable API development and robust system architecture to power seamless, secure, and high-performance platforms.
- Driving technical strategy, ensuring system integration, and enabling the delivery of cutting-edge financial products.

Digital Solution Architect, University of Auckland

2018-Oct - 2021-May

Modernised digital platforms and integration solutions for New Zealand's leading university, leveraging cloud-native technologies and advanced analytics.

HIGHLIGHTS

- Developed cloud-native data hubs and video delivery platforms with AWS technologies.
- Revitalised API management layers and modernised IAM platforms to improve scalability and security.
- Built integration patterns using Kafka and AWS Lambda for real-time data processing.
- Enhanced contact centre capabilities with Amazon Connect and real-time analytics solutions.

Digital Architect, ENGIE B2C

2016-Mar - 2018-Oct

Led the architecture of digital solutions for customer-facing platforms, driving cloud adoption and innovation for a major energy provider.

HIGHLIGHTS

- Designed and implemented digital platforms, mobile apps, and IoT integrations for B2C customers.
- Conducted API management evaluations and contributed to the cloud migration strategy to AWS.
- Promoted Agile methodologies and fostered innovation through modern infrastructure and open-source technologies.

Software Architect and Scrum Master, Ministry of Work

2014-Mar - 2016-Mar

Architected and implemented the CPF platform for the French Ministry of Work, managing a technical team and modernising the legacy systems.

HIGHLIGHTS

- Designed and developed a modern REST services architecture.
- Urbanised the IS with 10 applications using Enterprise Architect and implemented key technical components (Spring Batch, Open LDAP, Open AM / DJ).
- Led Agile processes as a Scrum Master, setting up CI/CD pipelines with Jenkins, Maven, SonarQube, and Jira.
- Guided the product owner in milestone planning and resource allocation across internal and external teams.

Software Engineer, Deposits and Consignments Fund

2009-Sep - 2014-Mar

Developed and maintained applications for the biggest French public financial institution, focusing on SOA, performance optimisation, and UI development.

HIGHLIGHTS

- Developed JavaScript applications and user interfaces using JSP, HTML, and CSS.
- Implemented a SOA architecture using JAX-WS and SoapUI for SOAP services.
- Monitored code quality with SonarQube and resolved performance issues with production teams.
- Supported and maintained applications built with Java Struts and Oracle DB.

Intern, Restopolitan

2008-Apr - 2008-Sep

Provided IT support and system maintenance for a startup specialising in restaurant table management.

HIGHLIGHTS

- Performed system maintenance and installations.
- Supported in-house software applications for restaurant management.

SKILLS

Cloud Architecture (AWS, Azure, GCP, Outscale)

API Management

Event-Driven and Streaming Platforms

DevOps Practices

Integration Design Patterns

Agile Methodologies

EDUCATION

Master's Degree, Network Infrastructure and Software Engineering - ENSEIRB-MATMECA

Bachelor's Degree, Computer Sciences - Lycée Jules Ferry Versailles

Technological Degree, Electronic and Industrial Software - Technological University Ville d'Avray