

## Contact

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## Summary

Cloud and integration architect (DevSecOps) focused on CI/CD, secure infrastructure, containers and Kubernetes, and delivery in regulated, fast-moving environments. Strong background in automation, security mitigation, and hands-on engineering with Java, C++, and Python.

## Top Skills

- **SDLC & DevOps** — delivery, quality, cross-team coordination
- **Security** — monitoring, hardening, vulnerability management
- **Containers** — Docker, Kubernetes
- **Automation** — pipelines, provisioning, integration
- **AI & data** — LLM, RAG, MLOps
- **Programming** — Python, Shell, Java, C++

## Languages

French — Native or bilingual

English — Full professional

German — Limited working

# Alban Andrieu

## Cloud, Integration Architect (DevSecOps)

Greater Paris Metropolitan Region

## Experience

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### Jus Mundi

#### DevSecOps Cloud Architect

March 2022 – Present · Ville de Paris, Île-de-France, France

#### My mission at Jus Mundi

- Participate in the evolution and improvement of cloud architecture and infrastructure
- Develop, maintain, and optimize CI/CD pipelines and deployment processes
- Automate infrastructure provisioning and system configurations (IaC)
- Monitor system performance, reliability, and security
- Collaborate closely with developers to ensure smooth product delivery
- Investigate and propose new tools or technologies for scalability and efficiency

#### The tech stack

- **Cloud:** OVHcloud (main), AWS, Scaleway, Microsoft Azure
- **IaC & CI/CD:** Terraform, Ansible, GitLab
- **Orchestration:** HashiStack (Vault, Consul, Nomad); Kubernetes (experimentation)
- **Databases:** PostgreSQL, Elasticsearch, Redis, Neo4j, VictoriaMetrics
- **Monitoring:** Grafana, Prometheus, Vector, Zabbix, Datadog
- **Network:** pfSense, Traefik, Cloudflare Enterprise

### Finastra

#### Cloud, Integration Architect

2017 – March 2022 (5 years) · Paris Area, France

As a leader in the international DevSecOps team: leverage the CI/CD environment, normalize and integrate release processes across Treasury and Capital Markets products (Treasury & Capital Markets). Help teams become cloud-ready and move to self-service products; improve build, development, test, and deployment environments with a focus on automation, security, reliability, and resilience.

### Misys

#### Cloud, Integration Engineer

June 2014 – June 2017 (3 years 1 month) · Paris Area, France

Working half time as DevOps, half as security expert.

#### Technical environment

- Monitoring automation: Nagios, Zabbix, Cacti, Logstash
- QA automation: Selenium, Jacoco, Cucumber, Karma, Protractor, PhantomJS, Node.js, IzPack
- Provisioning: Ansible, Chocolatey, Vagrant, Docker, ZFS, OpenStack (POC), AWS (POC)
- Security: Checkmarx, OWASP ZAP

- Performance: VisualVM, YourKit, JMeter, Gatling, Phantomas

### **Build, Release and Integration Engineer**

June 2012 – May 2014 (2 years) · Paris Area, France

Senior engineer on Misys Fusion Risk (enterprise risk management: limits, market risk, PFE). Revamped development environments and processes; release through Atlassian ALM (Jira, Confluence, Stash, Crowd); platform, middleware, and storage (NAS, ZFS) with Ansible; administration for Solaris, SPARC, Ubuntu, RHEL, Windows; zones, AWS, Vagrant, Docker; Jenkins, Nexus, Sonar, quality metrics, Checkmarx, ZAP; TDD, BDD, security and performance testing, Agile/Scrum; Maven/Grunt, SCons, SVN/Git, Eclipse.

#### **Technical environment**

- Tomcat/Jetty, JMS, Web services, REST
- OSGi, SSO, OpenCL (GPU), CSM (NoSQL)
- Java, JavaScript, HTML5, Flex, Groovy, AngularJS
- C++ builds on Windows and UNIX

### **Thomson Reuters**

#### **Senior Financial Software Engineer**

June 2007 – May 2012 (5 years) · Reuters Financial Software, Puteaux, France

Modules on K+TP (STP and back-office) integrated into the Kondor+ suite. Refactored stock and accounting using event sourcing; “what-if” and playback scenarios. Tasks: specifying and quoting developments with financial engineers; third-level support and QA coordination; C++ and Java delivery; XP-style iterations; UML/MDA (AndroMDA); upgrades (Sybase, Solaris x86, Java 1.6, JBoss 5).

#### **Functional scope**

- Stock and accountancy for bonds, equities, futures, repo, commodities
- Margin call and fungible revaluation integration
- Automatic balance and off-balance accounting; corporate actions and costing methods
- STP for deals and revaluation; stabilization, performance, non-regression automation

#### **Technical environment**

- C++, Java (J2EE), UML, MDA, SOA
- CORBA, Boost, SWIFT, XML/XSLT, Tibco Rendezvous
- Maven, Ant, continuous integration, shell scripting
- Tomcat/JBoss, WebLogic; Subversion, Eclipse, Purify, YourKit
- Sybase ASE 12.5/15.0; Solaris, AIX, Linux

### **Société Générale Corporate & Investment Banking**

#### **Financial Software Engineer**

February 2005 – June 2007 (2 years 5 months) · La Défense, France

- EOLE and GATE back-office systems for securities; C, PL/SQL, Java
- AMF reporting; SWIFT/RELIT; Oracle 8i → 10g migration; True64 → Solaris
- ETL between applications (XML, Java, Tibco); UML, design patterns, JAXB, pools
- Branch rollout (Asia, Canada); decimalization; level 2 support

#### **Technical environment**

C, PL/SQL, Ksh, awk, XML, Java 5; Oracle 8i/10g, Web services, JAXB, Maven, Ant, Eclipse, Unix

### **Software Engineer Trainee**

March 2004 – August 2004 (6 months) · La Défense, France

- GATE improvements for users, support, and production
- Logs and processes for settlement/delivery and SWIFT confirmations; traceability

### **SQLI**

#### **Software Engineer Trainee**

May 2003 – August 2003 (4 months) · Lyon, France

- Web site for Michelin in a J2EE team
- SQLI Interligo presentation and WCM framework

### **Education**

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#### **EFREI — École Française d'Électronique et d'Informatique**

Master +5, computer science (incl. English track) · 1999 – 2004

#### **Valtech Training**

Advanced programming and methodologies · 2006 – 2015

#### **Vancouver CSLI — Canadian as Second Language Institute**

TOEIC / English · 2004 – 2005

#### **Birkbeck, University of London**

International Business Communication (English) · 2002

#### **Lycée ITEC Boisfleury**

French baccalaureate, mathematics and physics · 1999