

Alban Andrieu

Cloud, Integration Architect (DevSecOps)

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Summary

Keen to learn new technologies and suggest improvements to existing environments, Meticulous and focused on providing quality- oriented, reusable code, Efficient at finding solutions independently or as part of a team, Communicative, reacts well to pressure in highly demanding situations with clients and peers, Multi-tasked with strong organizational abilities, Work experience in fast paced environments. - CI/CD, System integration- Release management- Cloud and Unix system administration- Security mitigation- Agile, Scrum, Kanban

Specialties:

- Leading with continuous integration/ delivery (building, testing, packaging, shipping, monitoring),
- Solid understanding of system administration.
- Proficient user of AI / LLM environments,.
- Experience in security mitigation.
- In-depth knowledge of application architecture.
- Senior level involvement in the development of application using Java, C++ and Python languages

Experience

DevSecOps Cloud Architect, Jus Mundi

My mission at Jus Mundi Participate in the evolution and improvement of our cloud architecture and infrastructure Develop, maintain, and optimize our 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 that could improve scalability and efficiency.

03/2022 – Present
Ville de Paris, Île-de-France, France

Cloud, Integration Architect, Finastra

My mission: As a leader inside our international DevSecOps team, my mission is to leverage the CI/CD environment, normalize and integrate the release processes across Treasury and Capital Markets products (<https://www.finastra.com/solutions/treasury-capital-markets>). As a continuation of my previous role, my goal is to help teams to improve their software to be cloud ready and move to self service products. I am moving from one team to another to improve the build, development, test and deployment environments. With a peculiar focus on the following aspects : Automation, Security, Reliability and Resilience.

2017 – 03/2022
Paris Area, France

Cloud, Integration Engineer, Misys

Working half time as DevOps, half as security expert. Technical environment:

06/2014 – 06/2017
Paris Area, France

Build, Release and Integration Engineer, Misys

Senior engineer working on Misys Fusion Risk (<http://www.misys.com/solutions/fusionrisk/>). MGR is a financial enterprise risk management application of limit management, market risk and potential future exposure. MGR is performance driven; now it allows reporting on billions of PV, managed limits for thousands of counterparties. My mission: As a leader inside our international quality team, my mission was to revamp the development environments and processes and the way we build, test, deliver and release our softwares. In charge of :

06/2012 – 05/2014
Paris Area, France

- Release products to customer through Atlassian ALM (Jira, Confluence, Stash, Crowd)

- Supporting the platform, middleware, storage (NAS, ZFS) with Ansible scripts
- Day-to-day system administration skills for solaris, sparc, ubuntu, RHEL, windows and virtualization and cloud efforts (Zones, AWS, Vagrant, Docker)
- Jenkins, Nexus, Sonar, Quality Metrics, Checkmarx, ZAP
- TDD, BDD, Security test, Performance test and Agile with Scrum
- Maven/Grunt, Scons, SVN/GIT and Eclipse IDE compliance

Technical environment:

- Tomcat/Jetty, JMS, WebServices, REST
- OSGI, SSO, OpenCL (GPU), CSM (NoSQL)
- Java, Javascript, HTML5, Flex, Groovy, AngularJS
- C++ build on WINNT. UNIX

Senior Financial Software Engineer, Thomson Reuters

Designing and implementing several modules on K+TP, Thomson Reuters' product for Straight Through Processing (STP), and Back-Office Management integrated into the Kondor+ Front To Back Suite. My mission: As a financial software engineer, my mission was mainly to re-factor the stock and accounting using event-sourcing.

Event sourcing consists by representing all system updates as a stream of messages over time, I was able to go back in time and play back a modified stream of events, thus allowing you to perform "what if" calculations. Current technical tasks involve:

- Specifying and quoting new developments in collaboration with financial engineers.
- Communicating with third level support, QA, and other in-house teams.
- Regular testing in C++ and Java and delivering to packaging.
- Using eXtreme Programming (XP), with short delivery iterations.
- Attending to bug fixes raised by QA and clients (C++, Java).
- Maintaining UML/MDA models (AndroMDA).
- Upgrading content to newer versions of Sybase, Solaris x86, Java 1.6, JBoss 5.

Development of functional features In charge of:

- Stock and accountancy development of securities (bonds, equities, futures, repo, commodities, etc.).
- Deep integration of margin call and fungible revaluation modules into stocks.
- Automatic generation of balance and off-balance accounting.
- Managing corporate actions, amortization and new methods of calculation (Fifo, FifoIntraday, Not Fungible, amortize cost).
- Automating Straight-Through-Processing (deal and revaluation back-dated, unsettled deals).
- Stabilization, data securization, failure recovery, performance enhancement, etc.
- Defining and automating non-regression tests.

Technical environment:

- C++, Java (J2EE), UML, MDA, SOA
- Corba, Boost, Swift, XML/XSLT, Tibco Rdv
- Maven, ant, continuous integration, shell scripting
- Tomcat/JBoss, Weblogic
- Subversion, Eclipse IDE, Dbx tool, Purify, yourkit
- Sybase ASE 12.5 /15.0
- Solaris 5.8/5.10/x86, AIX 5.1/5.3, Linux

06/2007 – 05/2012

Reuters Financial
Software : 6, rue
Godefroy 92800
Puteaux, France

Financial Software Engineer,*Societe Generale Corporate and Investment Banking - SG CIB*

02/2005 – 06/2007

La Défense, France

- Followed up and improved EOLE and GATE information systems, in charge of buying and selling securities in a back-office environment.
- Developed programs using C, PL/SQL and Java for several financial applications specialized in managing assets, titles, shares and species, controlling and securely sending financial data.
- Reporting generation for AMF and sending instructions/confirmations to the depository/intermediary (SWIFT/RELIT).
- Participated in the migration of an Oracle database (8i to 10g) and an OS (True 64 to Sun Solaris).
- Elaborated an Extract-Transform and Load (ETL) program between two applications using XML in Java via Tibco.
- Extensive use of UML, design patterns, JAXB, connection and thread pools.
- Created and migrated SGCIB branches in Asia and Canada.
- Decimalization of funds and sending of data via a settlement and delivery system.
- Level 2 support and production.

Technical environment:

- C, PL/SQL, Ksh, awk, XML, JAVA 1.5
- Oracle 8i/10g, Webservice, JAXB, Maven, Ant, Eclipse, Unix

Software Engineer Trainee,*Societe Generale Corporate and Investment Banking - SG CIB*

03/2004 – 08/2004

La Défense, France

- Improved the GATE financial application (management of assets, cash and securities) for end-users, support and production teams,
- Gathered logs and processes for settlement/delivery instructions and depository/intermediary confirmations management (SWIFT),
- Added follow-up traces to get better data/process control and to help troubleshoot (trace contents reorganized for better scope impact analysis).

Software Engineer Trainee, SQLI*Societe Generale Corporate and Investment Banking - SG CIB*

05/2003 – 08/2003

Lyon, France

- Developed a web site for Michelin in a J2EE environment team.
- Used SQLI's Interligo presentation and Work Content Management (WCM) framework.

Education**Advanced programming and methodologies, Advanced programming and methodologies,** *Valtech Training*

2006 – 2015

TOEIC, English, English, *Vancouver CSLI - Canadian as Second Language Institute*

2004 – 2005

Master +5, Specialty computer science, English, Specialty computer science, English, *EFREI - Ecole Française d'Electronique et d'Informatique*

1999 – 2004

TOEIC, English, International Business Communication, English, International Business Communication, *Birkbeck, U. of London*

2002 – 2002

French baccalaureate, Major in Math and Physics, Major in Math and Physics, *Lycée ITEC Boisfleury*

1999 – 1999

Top Skills

- Infrastructure as Code
- Cloud Architecture Design
- System Performance Monitoring
- Continuous Integration/Continuous Deployment
- Security Monitoring Tools
- Cloud Computing

Languages

French

Native or Bilingual

German

Limited Working

English

Full Professional

Certifications

- Software Architecture: From Developer to Architect

The Tech Stack

Here is a snippet of what technologies you will find at Jus Mundi: Cloud Providers: OVHcloud (main provider), AWS, Scaleway, Microsoft Azure IaC and CI/CD: Terraform, Ansible, GitLab Orchestration: HashiStack (Vault, Consul, Nomad) and experimenting with Kubernetes Databases: PostgreSQL, Elasticsearch, Redis, Neo4j, VictoriaMetrics Monitoring: Grafana, Prometheus, Vector, Zabbix, Datadog Network: Pfsense, Traefik, Cloudflare Enterprise