S. LAOUINI

CLOUD/DATA/SOFTWARE ENGINEER · TECH LEAD/ARCHITECT

EDUCATION

2006 - National Diploma of Engineer (Software Engineering) - National Institute of Technologies and Applied Sciences (INSAT).

EXPERIENCE

LVMH Maison Céline (Since September 2022)

Projects: PLM/CRM - Lead Dev/Cloud/Data Engineer
As part of the Move to Cloud project, established a Data Platform. Worked on multiple domaine as part of the Data team.

- Implemented solutions tailored to business needs.
- Evolved Infrastructure via Terraform.
- Established the Data Sharing strategy.
- Implemented data ingestion from various sources.
- Implemented batch transformation jobs via Dataform.
- Orchestrated jobs via Control-M.
- Planning migration to Dataform v2.
- Optimized the consumption of Cloud Services deployed in GCP (FinOps).
- Implemented streaming jobs for feeding the Data Platform.
- Optimized and refactored code/pipelines.
- Assisted teams in resolving technical architecture issues.
- Provided technical support to Developers and Data Engineers.

Environment
Scrum, IDEA IntelliJ/PyCharm, Java/**Python**, SQL, Azure DevOps, Azure Pipelines, **DataDog**, Azure, **GCP**, **Dataform**, **BigQuery**, Analytics Hub, **Cloud Run**, **Cloud Storage**, PowerShell, SAP, Control-M, **Terraform**.

Societe Generale Security Services (November 2021 - August 2022)

Project: CSDR - Software/Data Engineer
CSDR: the Central Securities Depositories Regulation (CSDR), a European regulation that defines the European regulatory framework for Central Securities Depositories (CSDs) and contains several measures aimed at improving the securities settlement process and strengthening investor protection.

- Worked with application Feature teams to industrialize solutions tailored to business needs.
- Implemented data ingestion jobs into the Data Lake.
- Implemented REST APIs for data consumption.
- Optimized ingestion and transformation jobs in production.
- Participated in Datahub architecture committees and conducted technical feasibility studies.
- Ensured the continuous improvement of the Data platform.
- Optimized the consumption of Cloud Services deployed in Azure (FinOps).
- Implemented and performance optimized Spark & Oozie based data pipeline infrastructure.
- Developer Support, Bug fixing, Code review.
- Work with other feature teams to create solutions for societe generale clients and partners.
- Integrated Monitoring and Alerting Process into existing pipeline.

Environment
Scrum, IDEA intellij, Maven, Java/Scala/Python, SQL, **Apache Spark,** Apache **NIFI**, **Avro**, **Parquet**, Change Data Capture **CDC** (informatica), **Azure Postgres, Oracle** (on premise), Spring Boot/**Reactive**, Postgres, **Kafka**, **ArgoCD**, AssertJ, Jenkins, JIRA, Git, Jacoco/sonar, Confluence, **Azure**, **Kubernetes AKS, Azure HDInsight, Ansible**, **Azure Vault**.

Stet.eu (Septembre 2020 - October 2021)

Project: SABR - Tech Dev/Cloud Engineer
Implemented new API for the new European Union regulation (T2 RTGS, TIPS) for online payments and bank clearing.

- Automated AWS Infrastructure deployments via Terraform.
- Implemented security measures (PKI, Certificates Automation, Secrets Management…).
- Assisted teams in resolving technical architecture issues.
- Provided support to developers in technical implementation and code review.
- Automated CI/CD pipelines.
- Integrated and Implemented Secret Management using Vault.
- Developer Support, Bug fixing, Code review.

Environment
Scrum, IDEA intellij, Maven, Java/Scala/Python, Gatling, Spring Boot/**Reactive**, **Postgres**, **Kafka**, AssertJ, Sonar, Jenkins, JIRA, Git, Jacoco/sonar, Confluence, **AWS**, **Kubernetes**, **Terraform**, **Ansible**, jinja2, **HashiCorp Vault**.

Renault (November 2018 - August 2020)

Project: Iris - Tech Lead/Data engineer
Application Platform dedicated to Renault managers/statisticians for monitoring and visualizing incident, vehicle, plant and part data worldwide.

- Implemented data ingestion jobs into the Data Lake.
- Implemented REST APIs enabling data visualization.
- Implemented a DSL to generate Elasticsearch queries.
- Automated deployments via GitLab EE CI.
- Established monitoring/alerting via Prometheus/Grafana.
- Migrated from AWS Cloud to GCP.
- Integrated Monitoring and Logging solution via ELK.
- Implemented Spark jobs to ingest data into Data Lake.

Environment
Scrum, IDEA intellij, Gradle, Java/Scala, **Gatling**, SQL, AssertJ, APIGee, Sonar, Jenkins, JIRA, Spring Boot, Git, **Apache Spark**, **Elasticsearch**, Kibana, **Gitlabee**, Jacoco/sonar, Confluence, **GCP**, **Kubernetes**, GCS, Prometheus, Grafana, **Helm Chart**, Docker, **Dynatrace**.

Saint Gobain (March 2017 - October 2018)

Project: DSL - Tech Lead/Cloud/SDE
A multi-brand e-commerce API dedicated to Saint-Gobain websites and applications (point.p, cedeo, climplus, brossette etc., totaling over 20 brands) that offers features like: searching products, order, recommendations, history, user profile etc.

- Established a Microservices/Event Sourcing architecture.
- Designed and implemented REST APIs.
- Implemented integration and unit tests with JUnit/AssertJ/Mockito/Cucumber.
- Implemented authentication/authorisation API (Spring Security, OAuth2).
- Implemented stress tests and optimized API performance.
- Centralized logs and created dashboards via Kibana (ELK).
- Implemented data/log ingestion into Elasticsearch via Apache NiFi.
- Participated in architecture committees and conducted technical feasibility studies.
- Assisted teams in resolving technical issues.
- Implementation of the log/monitoring stack based on Kibana/ElasticSearch/Nifi/RabbitMQ.
- Developer Support and Mentoring, Bug fixing, Code review.
- Unit/integration/performance tests implementation.

Environment
Scrum, IDEA intellij, Maven, Java 8/Scala/groovy, **MongoDB**, Gatling, AssertJ, Cucumber, Selenium, Sonar, Jenkins, JIRA, **Spring boot**, Spring **Batch**, Git, **RabbitMQ**, **Apache NIFI**, **Elasticsearch**, Kibana, Gitlab, Jacoco, Confluence, XL Deploy, **Docker** Enterprise, **Kubernetes**, **Dynatrace**.

Kyriba (August 2016 - Mach 2017)

Project: FRAUD - Tech Lead - SDE
Fraud management and bank transaction analysis solution.

- Design and implementation of the core Java API.
- Integration with third parties API like Banks and other partners.
- Design and implementation of the UI.
- Unit/integration tests implementation.
- Developer Support and Mentoring, Bug fixing, Code review.
- Legacy code refactoring.

Environment
Scrum, IDEA intellij, Gradle, GWT, Java 8, JPA, Oracle, Sonar, Jenkins, JIRA, JBoss Wildfly 10, Git, Bitbucket, Jacoco, Bamboo, Confluence, Docker, AWS EC2.

Les mousquetaires Group (January 2016 - July 2016)

Project: PDC - Tech Lead – SDE
Web application enabling various points of sale within the Les Mousquetaires group to search for and order advertising campaign plans.

- Designed and implemented REST APIs.
- Implemented Unit/Integration Tests.
- Participated in the establishment of technical architecture.

Environment
SCRUM, IDEA intellij, Maven, Java 8, Spring, Spring boot, QueryDSL, Postgres, Junit, SoapUI, Jersey, JIRA, Jenkins, Openstack Swift, Ansible, Docker, Tomcat, Git, Gitlab, Sonar.

Accor Hotels (January 2015 - December 2015)

Project: ROOM - Tech Lead - SDE
Design and implementation of REST API for mobile/tablet applications that offers Accor Hotels clients features like: searching hotels, booking rooms, history, user profile etc.

- Design and implementation of REST API using Java/Jersey.
- Unit/integration tests implementation.
- Legacy code refactoring.
- CVS to GitLab/Git migration, developer teams support.

Environment
Kanban, IDEA intellij, Maven, Java 8, Spring, Junit, SoapUI, Jersey, JIRA, Jenkins, Tomcat, Git, Gitlab, Sonar.

Kyriba (March 2014 - December 2014)

Project: KINVO - SDE
An auction based trading platform for invoices.

- Design and implementation of the core Java API.
- Unit/integration tests implementation.
- Legacy code refactoring.

Environment
Scrum, IDEA intellij, Gradle, GWT, Java, Eclipse Link, Oracle, Sonar, Jenkins, JIRA, Jboss 7, Git, Bitbucket, Jacoco, Bamboo, Confluence.

THALES CIS - Critical Information System (October 2011 - January 2014)

Project: ECOTAXE - SDE
Platform for managing and controlling the heavy goods vehicle eco-tax: enables the detection and processing of anomalies to identify shortcomings and financial irregularities.

- Developer team support, Design and implementation of the core API
- Security stack Setup and Implementation (PKI, WS-security, SAML2, SSL, Oracle Wallet)
- Design and implementation of UI Tests automation.
- Design and implementation of Performance tests, optimization and tuning of SQL/JAVA code.

Environment
SCRUM, Linux, IDEA intellij, Maven, GWT, Java, EJB3, JMS, Hibernate, JPA, JAXB, soapUI, Web service (apache CXF), Oracle, ActiveMQ, TestNG, Selenium, Selenium-Grid, Jenkins, JIRA, Test LINK, AppDynamics, JBoss 6 AS, Shell Script, JMeter, Subversion, Jenkins, Sonar, PMD, findbugs.

SFR - Ekino (April 2011 - November 2011)

Project: EzyPartners - JAVA Software Engineer
EzyPartners is a B2B and e-Commerce solution, with an API that allows SFR partners to sell mobiles and offers from The Telecom Provider and grant access to their internal information system.

- Bug fixing, Design and implementation of the API
- Unit/integration tests implementation.

Environment
SCRUM, Linux, IDEA intellij, Maven, Java, soapUI, Web service, Spring, Apache CXF, Apache ActiveMQ, JUnit, Guava, Tomcat, Jenkins, JIRA, Confluence, Subversion, Jenkins, Sonar, PMD, findbugs.

RENAULT (June 2009 - March 2011)

Project: Private Cloud Platform - JAVA Software Engineer

- Datacenter Virtualization via VMware vCenter and VMware vSphere ESX hypervisor.
- Design and automation of deployment of Web applications and resources creations like data sources, queues, JCA connectors and Virtual Machines etc.

Environment
Linux, IDEA Intellij, Spring Batch, Spring Core, Spring JMX, Maven, Java, Jython, Shell, GWT, Web service, Websphere Application Server ND, WASCE (Apache Geronimo), Hudson, VMware vSphere ESX, VMware vCenter server,

Project: J2EE/Websphere ND, Support Task Force 3.

- Level 3 technical support for Websphere Application Server ND (6.x)
- Technical support for developer teams about Websphere Service Integration Bus (JMS 1.1), EJB 3 and WS.
- Migration of J2EE applications from Websphere Application Server 5.x and 6.x to Websphere community edition 2.x (Apache Geronimo).
- Homologation of connectors for Apache Geronimo like SAP, IMS, CICS and Websphere MQ.
- Design and implementation of a module for Apache Geronimo for managing clusters and applications deployment.

Environment
Linux, Idea Intellij, Java, Shell Script, JAXB, Portlets, JCA, EJB, JMS, Web service, Websphere Application Server ND, WASCE (Apache Geronimo), Websphere Message Broker, Linux SUSE Enterprise 10-11

THALES EPM - Engineering & Process Management (June 2008 - May 2009)

Project: TCIS (Thales Component Information System) - SDE
TCIS portal, a Platform enabling Thales to offer its users an interface to manage the reference database of chemical, electronic and materials made and sold by the group.

- Design and implementation of the REACH specification for TCIS Portal.
- Design and implementation of batches to integrate/import/transform client's data files to TCIS database.

Environment
Linux, IBM Eclipse RAD, java, Portlets, Spring, Spring Batch, XSLT, UML, Oracle, IBM Websphere AS 6, IBM Websphere Portal server 6, JDO (Xcalia impl), SQL, PLSQL, IBM Clearcase.

CAAM - Crédit Agricole Asset Management (August 2007 - May 2008)

Project: MINT - SDE
MINT is designed to enable Sell Side, brokers and exchanges members to collect FIX orders from third parties, such as buy side communities or other sell side firms, to route orders between different platforms and external order routing systems.

- Design and implementation of MINT EAI Servers plugins used by CAAM, primarily Message Oriented Middleware (i.e. MOM) brokers that perform routing, brokering and transformations for financial messages through the STP chain.
- Integration of Decalog PMS and Murex with MINT EAI server.
- Implementing new flow and message transformation into MINT server for new and existing financial instruments (Repo, CDS, iTraxx etc.).
- Design and implementation of a monitoring tool for MINT server.

Environment
Linux, Eclipse, Java, C, Swing, Hibernate, Websphere MQ, EJB, Sybase, SQL, Shell script.

SUNGARD Global Trading (March 2006 – July 2007)

Project: GATEWAYS
SLE and SLC servers, respectively for stock order emission and quotation flow collection, to add connectivity to several stock exchanges.

- Design and implementation of the core/plugins of GATEWAYS Servers.
- Technical support for GATEWAYS Servers users (SLE and SLC)
- Setup and Integration of different financial market place like DGCX, DFM, DIFX, TCSE

Environment
Linux, NetBeans, Visual studio 6, C.