S. LAOUINI - Cloud/Data Engineer

EDUCATION

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

EXPERIENCE

Societe Generale Security Services (November 2021 - Present)

Project: Trustee/Csdr - Tech Dev/Data Engineer

- 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.
- Optimize Deployed Azure Cloud services (Finops).
- Integrated Monitoring and Alerting Process into existing pipeline.
- Implemented REST API to consume data using Azure Kubernetes Service.
- Implemented POC using Azure Data Factory and Azure Synapse Analytics.

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 REST API.
- Deployment Automation of Microservices to AWS cloud and on premise.
- Deployment Automation of Infrastructure via terraform (Infrastructure as Code).
- Integrated and Implemented Secret Management using Vault.
- Swift network integration.
- 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
Design and implementation of an application for managers/statisticiens to query incidents/vehicles data lake.

- Implemented REST API.
- Implemented DSL to query Elasticsearch.
- Integrated Monitoring and Logging solution via ELK.
- Deployment Automation via Gitlab CI.
- Implemented Spark jobs to ingest data into Data Lake.
- Some Workload Migration from AWS to GCP.

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/DevOps - JAVA Software Engineer
Design and implementation of REST API for mobile/tablet/web-app applications that offers saint-gobain's brand clients features like: searching products, order, recommendations, history, user profile etc.

- Design and implementation of the core Java API.
- Implementation of the log/monitoring stack based on Kibana/ElasticSearch/Nifi/RabbitMQ.
- Security implementation Based on Spring Security (OAuth2)
- 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 - JAVA Software Engineer
A fraud management and alert system: real time payments transactions analysis and processing.

- 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.
- 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 – 6 Months)

Project: PDC - Tech Lead – JAVA Software Engineer
Internal Web application that offers an ecommerce platform for Les mousquetaires shops to search and buy advertising campaign plans.

- Design and implementation of REST API using Java/Jersey.
- Unit/integration tests implementation.

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 – 1 Year)

Project: ROOM - Tech Lead - JAVA Software Engineer
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 - 10 Months)

Project: KINVO - JAVA Software Engineer
Design and implementation of 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 - JAVA Software Engineer
Web application designed to enable the Minister of transport and its partners to collect anomalies from all the Trucks in circulation in France, and to detect fraud related to payments and tax legislation in use.

- 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) - JAVA Software Engineer
TCIS is a web application to search and store all the characteristics of the entire chemical, electronic and materials made and sold by the Thales 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 - JAVA/C Software Engineer
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 - Software Engineer
Server that allows connections to Multiple Securities Markets and executes Sell/Buy Orders.
Those Servers offer features like retrieving and collecting, in real time, exchange data quotations from the securities stocks exchange and feed the connected Brokers with statistics, executions and events from multiple Securities Markets.

- 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
Visual Studio, C, Shell scripts.

Project: WEBTRADE - Software Engineer
Trading Web application: platform designed for Internet-based semi-professional or retail trading services offered by major banks and financial institutions, Webtrade features are: trading risk control, credit and real time portfolio reporting etc.

- Design and implementation of the core Java API.
- Design and implementation of the UI.
- Unit/integration tests implementation.

Environment
Linux, NetBeans, Oracle, Tomcat, Httpd, JSP/Servlets, JDBC, Struts, js, JSTL, CORBA, IDL, PLSQL/SQL, Visual studio 6, C.