

ZAKARIA HILI

DevOps Lead & Cloud Architect - 8 x AWS Certified
Freelance

WORK EXPERIENCE

SRE & Lead Devops & Cloud Architect

Feb 2021 - NOW

📍 Engie IT/Digital/GEM - Paris

Optimization & Improving the 6 Pillars of the AWS Well-Architected for Nemo and Kiwi Platforms.

- Design and implementation of Nemo platform APIs and extensions
- Modernization and migration of Kiwi Platform
- Automation of the platform deployment using IaC
- Reconstruction of the Monitoring tools of the platform
- Improving the security and reliability of the platform
- Cost optimization & Issue Tracking
- Migration assessment of "Operation Zone" Project
- Recruitment and onboarding of DevOps Engineers.

Environment:

Python, Grafana, Prometheus, Dynatrace, Splunk, Docker, Jenkins, OKTA, AWS EC2, Image Builder, Cloudwatch, RDS, Lambda, API Gateway, Route53, IAM, Terraform, Cloudformation ...

Cloud Architect

Jan 2020 - Feb 2021

📍 Crayon - Paris

Development of several AWS commercial offers to create an AWS pool at Crayon France.

- Developing of multiple PoCs on AWS
- Development of several AWS commercial offers for Crayon
- Providing several internal training and webinars on AWS solutions
- Providing a comprehensive and cost effective solutions
- Recruitment and onboarding of Cloud Architects.

Environment:

Microsoft Workloads, AppStream 2.0, SSO, AWS Control Tower, Cloudamize, CloudEndure, AWS Database Migration Service...

Cloud Architect - Capgemini

Jan 2019 - Jan 2020

📍 AIRBUS - Toulouse

Responsible for multiple AWS accounts and managing their environment using AWS and Airbus solutions.

- Design and implementation of several custom applications on AWS



CONTACT

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in <https://linkedin.com/in/zakariahili-02031599>


LANGUAGES


🇺🇸 English: Professional working proficiency

🇫🇷 French: Professional working proficiency

🇸🇦 Arabic: Native or bilingual proficiency

OPEN GROUPS

 FinOps Foundation Member

 Improvement of Spark Kmeans algorithm performance

- Design and implementation of DevOps Services on AWS
- Migrating a monolithic application to FaaS (Serverless)
- Deployment of infrastructure on AWS using Infrastructure as Code tools
- Technical support for development team.
- Recruitment and onboarding of Full Stack Developers.

Environment:

Serverless, Terraform, Jenkins, Ansible, Shibboleth, Palantir Foundry, Zabbix, NodeJS, ReactJS, EC2, ALB, AWS Systems Manager, S3, VPC, EBS, Lambda, DynamoDB, API Gateway, Cloudfront, Route53, IAM, WAF, KMS, Cognito, Red-Hat...

Cloud Architect - Capgemini

Oct 2017 - Dec 2018

 AIRBUS - Toulouse

Responsible for developing and managing multiple applications on AWS Cloud.

- Design and implementation of a custom application on AWS
- Design and implementation of DevOps Services on AWS
- SSO (single sign on) configuration on AWS environment and connect the service provider with Airbus OneLogin IdP.
- Development of multiple applications on AWS (full stack).
- Technical support for development team.

Environment:

Python, Javascript, scala, Apache Spark, ReactJS, NodeJs, ElasticSearch, Palantir Foundry, Shibboleth, EC2, CloudFormation, ElasticBeansTalk, ALB, CodePipeline, CodeBuild, CodeCommit, Lambda, Inspector, IAM, Route53, S3, VPC, EBS, RedHat...

Big Data Engineer - Capgemini

Jan 2017 - Oct 2017

 AIRBUS - Toulouse

Developing a root cause analysis solution to detect faults of A350 & A320 parts.

- Data preparation for machine Learning models
- Development of multiple FrontEnd Applications on AWS & Palantir Foundry (full stack).
- Technical support for development team

Environment:

Python, Javascript, ApacheSpark, ReactJS, NodeJs, ElasticSearch, Palantir Foundry, AWS (Amazon Web Services), Shibboleth, RedHat.

Big Data Engineer - Capgemini

Oct 2016 - Dec 2016

 AIRBUS - Toulouse

Optimization & Parallelization of an existing Machine Learning codes using Apache Spark Framework (Improving performances).

- Analyze and identify bottlenecks in the existing code
- Re-develop the existing code using Apache Spark

INTERESTS

Blockchain, Gaming, Running, Fitness, French boxing

- Improve the performance of the existing code

Environment:

Python, Apache Spark, GCP(Google Cloud Platform)

Big Data Engineer - Intern

Mar 2016 - Aug 2016

📍 Akka Technologies - Toulouse

Development of several Proof Of Concept implementing a Big Data architecture associated with a Big Data analytic solution in a Future Factory context.

- State of arts of Broker Solutions
- Design the platform's infrastructure and applications
- Deployment of Cloudera and Hortonworks platforms on Openstack
- Development of the Stream branch of the Lambda architecture
- Development of auto-configuration scripts
- Development of multiple visualization dashboards

Environment:

Java/J2EE, R, Kundera, Spring MVC, Apache Spark, Spark-St, Apache Storm RabbitMQ, Apache ActiveMQ, WSO2 Message Broker, Apache Cassandra, MemSQL, MariaDB, Hortonworks, OpenStack, Cloudera, Cloud Microsoft Azure.

CERTIFICATIONS

2020

AWS Certifications:

- AWS Certified Solutions Architect - Professional
- AWS Certified DevOps Engineer - Professional
- AWS Certified Security – Specialty
- AWS Certified Data Analytics – Specialty
- AWS Certified Developer - Associate
- AWS Certified SysOps Administrator - Associate
- AWS Certified Cloud Practitioner

Others:

- Certified SAFe 5 Architect
- HashiCorp Certified: Terraform Associate
- Certified SAFe® 5 Agilist
- CKAD: Certified Kubernetes Application Developer
- TOGAF 9 Foundation
- ITIL 4 ® Foundation
- Google: Associate Cloud Engineer
- Microsoft Certified: Azure Fundamentals
- Cloudamize Technical Certification - AWS Edition

- Cyberark Certified Trustee
- Splunk Core Certified User

2015 - 2019

- AWS Certified Solutions Architect - Associate (2019)
- Big Data Specialist with IBM BigInsights (2015)

SKILLS

- **Cloud:** EC2, Elastic Beanstalk, VPC, S3, EBS, Lambda, API Gateway, RDS, Cloudfront, Route53, Elastic Load Balancer, Cloudendure, Control Tower, IAM, WAF, SSO, KMS, Inspector, Cognito, SSM, ACM...
- **DevOps:** Cloudformation, Ansible, Terraform, Jenkins/Cloudbee, Github enterprise, Code Commit, Code Build, Code Pipeline
- **Languages/Frameworks & Tools:** Python, Javascript, SQL, Shell, Nodejs, Express, Serverless, ReactJs, Apache Spark, Apache Storm
- **Databases:** Postgres, DynamoDB, MongoDB, Cassandra, Mysql
- **Soft Skills:** Communications, both verbal (presentations, Webinars, etc.) and written (reports, commercial proposals, etc.), Analysis and design, Scrum, Safe.

EDUCATION

2015 - 2016 📍 **ENSEIRB-MATMECA, Bordeaux, France**

Networks & Cyber Security

Engineer's Degree, Networks and distributed systems

2013 - 2015 📍 **ENSIAS, Rabat, Morocco**

Computer Software Engineering

Engineer's Degree, Computer Engineering

2013 📍 **CPGE, Agadir, Morocco**

Preparatory classes PCSI

Preparatory classes for engineering schools