

# Ala Eddine Kamel

## Software Engineer



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### Personal profile

- Good experience in **Angular, Nest.JS, CSS, HTML, SCSS, Kubernetes, AWS Lambda, S3, Auto Scaling Groups, API Gateway, EC2, RDS, Event Bridge, ALB (Application Load Balancer), WAF (Web Application Firewall), CloudFront**
- Experience in setting up a CI/CD pipeline using **Jenkins, Docker, SonarQube and GitHub**.
- Software engineer graduated from the ESPRIT engineering school (private higher school of engineering and technology), specializing in Data Science. My ambition is to put into practice the knowledge I have received so far, to forge my mind and personality within a dynamic and professional team, allowing me to work alongside new technologies.
- Mastering Python programming language as well as other python frameworks like Flask, Django...

### Professional Experiences

**Company: Neoxion Technologies, internship**

**July 2023 – November 2023**

#### Projects:

##### 1. AWS Provisioning:

Conception and developing of AWS Provisioning which provision AWS resources (EC2, Elasticsearch, VPCs) using Angular 17 as front end and Nest.JS as backend.

**Technologies:** Angular 17, Nest.JS, PrimeNG, SCSS, AWS CDK...

##### 2. K8s Genie:

**Deploying K8sGenie application (a Cloud based solution that monitor a Kubernetes cluster).**

- Working on a Python based application called Epilepsy that's hosted on AWS.
- Writing authentication lambda.
- Deploying the front app into S3 and the backend into EC2
- Configuring API Gateway with lambda
- Configuring Event Bridge with lambda
- Configuring CloudFront with S3 and WAF
- Setting up a CI/CD pipeline using Jenkins, GitHub, SonarQube

**Technologies:** AWS Lambda, S3, Event Bridge, EC2, API Gateway, RDS, WAF, ALB. CloudWatch, Jenkins, GitHub, SonarQube, Grafana, Prometheus.

**Company: 3S Standard Sharing Software, PFE engineering internship**  
**FEB 2022 - AUGUST 2022**

- Implementation of a dual solution for monitoring customer KPIs
- Development of a website for data restitution.

**Technologies:** Python, Datawarehouse, ETL, SSIS, SSAS, SSRS, Power BI, Flask.

**Company: SOFIA TECHNOLOGIES, Summer Internship** **JULY 2021- AUGUST 2021**

- Analysis of ECG signals and classification of arrhythmias using neural networks

**Technologies:** Python, Machine learning, data visualization...

**Company: Intercom, PFE Internship** **FEB 2019- JUNE 2019**

- Design and development of an application allowing the automatic generation of a raised post sheet (rosace)

**Technologies:** Java, JavaFX, MySQL

**Company: 3B group, Worker internship** **JANUARY 2018- FEB 2018**

- Creation of an ADAS website

**Technologies :** HTML, PHP, CSS, JavaScript, AngularJS

## Academic Projects

**WEB SEMANTIC APPLICATION** **2021- 2022**

- A Knowledge-Based Recommender System for Project Risk Management: A Learning Approach.

**Technologies:** Python, Artificial intelligence, NLP, text pre-processing, process extraction, OWL structuring, Semantic parsing

**CUSTOMER CHURN ANALYSIS** **2020- 2021**

- Application of machine learning algorithms on a dataset that contains information about telephone line subscribers for customer churn analysis.

**Technologies:** Python, pandas, Machine learning

## ANALYSIS OF EEG SIGNALS FOR DETECTION OF EPILEPSY

2020- 2022

- Development of a web application that will help neurologists detect epilepsy.
- Application of machine learning and deep learning algorithms for the detection of epilepsy.

**Technologies:** Python, Data preparation, Deep learning, LSTM, Flask, Keras, TensorFlow

## DEVELOPMENT OF A MOBILE DESKTOP WEB APPLICATION

2019-2020

- Development of a multi-platform application (web, mobile and desktop) for the management of kindergartens

✓ **Technologies :** PHP, Symfony, java, JavaFX, codename one, MySQL

## Technical Skills

- **AWS Lambda, S3, CloudWatch, EventBridge,Lambda**
- **Python, HTML, CSS, JS, PHP**
- **Java, Android, C#, Python**
- **MySQL, Oracle, PL/SQL**

## Languages

English	Fluent
French	Fluent
Arabic	Maternal language

## Education

**2019-2022**    **Engineering degree at ESPRIT (private higher school of engineering and technology)**  
data science specialty

**2016-2019**    **Bachelor's degree in information and communication science and technology from Tunis at ISET'Com**  
Network security specialty