DERGHAM Lahcene

COMPUTER SCIENCE ENGINEER ·

Relizane, Algeria

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Education

Higher School of Computer Science 08 May 1945   *Sidi Bel Abbès, Algeria*

MASTER'S DEGREE IN COMPUTER SCIENCE (COMPUTER SCIENCE ENGINEER)   *Sep 2016 - July 2021*

* **Thesis** " *Building and Deploy a Cloud Native Microservice over openstack*

Tasseret   *Relizane, Algeria*

BACCALAUREATE   *Sep 2013 - July 2016*

* **Option:** " Mathematics
* **Rating:** Good.

Work Experience

BMTech   *Reghaia, Algiers*

FULLSTACK DEVELOPER   *Oct. 2021 - Apr. 2022*

* Designed the responsive front-end screens using **React js**, HTML5, CSS3, **JavaScript**, **Typescript**, and React Material
* Developed custom **Redux** Form scripts for updating Redux store using immutable and Redux Thunk.
* Added hooks in the project and moved some class-based components to functional components.
* Developed sound knowledge on React, Redux for front end. Sql Server for backend and .NET MVC as server.
* Create Multipe Datagrids with Filters and many options using React table and Material UI Table
* Create friendly user interface with Material UI

Labri-SBA (Intern)   *Sidi bel abbes, Algeria*

CLOUD DEVELOPER   *Mar. 2021 - Sept. 2021*

* Expertise in distributed **Agile** and **Scrum** methodologies to develop best practices for software development and implementation.
* Worked on creating stable **Private Cloud** computing solutions for ticketing system using **Openstack**
* worked with source version control tool **GIT** to manage code repository
* Good knowledge on practicing **TDD**, automating **Junit** tests using Maven in **Jenkins**.
* Experienced in scripting languages such as **JSON** and **YAML**.
* Automated infrastructure provisioning using **Terraform** and **Ansible**.
* Automate repetitive tasks by writing and running a simple Shell script
* Build, deploy, and scale a system ticketing app using Microservices built with **Node**, **React**, Docker and Kubernetes
* Built fully automated **CI/CD** pipelines for containerized applications using **Docker** and **Kubernetes**.
* Designed an overall service architecture and pipelines of the Machine Learning based Fashion Tagging API SaaS product with the micro-services architecture.
* Architect large, scalable apps using a collection of microservices
* Communicate data between services using a **lightning-fast event bus**
* Implemented several **API** microservices in **Node.js** .
* Developed scripts and worked with automation tools for building, integrating and deploying software releases to multiple environments.
* Created **Dockerfile** and automated **Docker image** creation using Jenkins and Docker.
* Deploy a multi-service app to the **GCP** with Docker and Kubernetes

Sefar Agency.   *Seoul, S.Korea*

SOFTWARE DEVELOPER - INTERN   *Jan. 2016 - Jun. 2017*

* Write effective APIs With **NodeJs**
* Designed the responsive front-end screens using **React js**, HTML5, CSS3, JavaScript, Typescript, and React Material.
* Developed custom **Redux** Form scripts for updating Redux store using immutable and Redux Thunk.
* Added **hooks** in the project and moved some class-based components to functional components.
* Used Node js along with **MYSQL** as database to develop **RESTFUL** services.
* Tested REST endpoints using **POSTMAN**.
* Deploying the product with Docker on an **AWS** EC2 instance

Projects

Integrated Project IaaS-SaaS)

Mar. 2021 - Sept. 2021

- Cloud Infrastructure Realisation with Openstack , Networking Infrastructure and a Security Solution to the Network Infrastructure. Besides Automation and Orchestration Scenarios.
- **SaaS Application** Deployed on Openstack - Microservices Architecture - **React js** with **Node js** ; Database : **MongoDB**.
- Docker Containerization and Kubernetes Orchestration.

Web Application for the management of Cinema

Mar. 2020 - Sept. 2020

- Using **React js** with **Node js** and MongoDB for Database .
- Microservice Architecture .

Web App for the management of Private School

Feb. 2019 - June. 2019

- **React js** with **Node js** and MySQL for Database .

Web App for E-commerce

Feb. 2018 - June. 2018

- Monolithic app with HTML5,CSS3, Bootstrap and Django .

Web App for the management of ESI SBA website

Feb. 2017 - June. 2017

- Frontend : HTML/CSS ; Backend : PHP ; Database : MYSQL .

Honors & Awards

DOMESTIC

2020	**3rd Place**, THE PROGRAMMING COMPETITION ORGANIZED BY ALPHABIT CLUB	*Algeria*

Training Certifications

AWS Fundamentals Specialization

COURSERA   *October. 2020*

- Credential URL

Full-Stack Web Development with React/Node js Specialization

COURSERA   *September. 2020*

- Credential URL

Open Source Software Development, Linux and Git Specialization

COURSERA   *August. 2020*

- Credential URL

Writing

A Guide for Developers in Start-up   *Facebook Page*

FOUNDER & WRITER   *Jan. 2015 - PRESENT*

- Drafted daily news for developers in Sidi bel abbes about IT technologies, issues about start-up.

Skills

Programming Languages, JavaScript, TypeScript, Python

Frameworks: , React js, Node js, Nest js

Automation Tools: , Kubernetes, Ansible, Terraform, Jenkins, Vagrant

Containerization: , Docker

Databases: , MySQL, Postgres, MongoDB, DynamoDB

Scripting Languages: , Python, Bash/Shell script

OS: , Linux, Windows