

AIT ALI Mohamed

Cloud & IoT Engineering Student at INPT, seeking an internship for PFA starting from June 2024.

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 Rabat, Morocco

 mohamed-ait-ali

 Mohamed-AitAli



Profile

A second-year computer science student, specializing in cloud computing engineering, I am passionate about expanding my skills in these areas as well as DevOps.

Education

National Institute of Posts and Telecommunications (INPT),
Distributed Ubiquitous Systems - Cloud and IoT Engineering

2022 – present | Rabat, Morocco

Technical High School Settati (LTS), Preparatory Classes TSI Branch

2020 – 2022 | Settati, Morocco

Professional Experience

SMART SITTER, DevOps Engineering Intern

Jun 2023 – Aug 2023 | INPT, Rabat

Develop and containerize a mobile application connected to a robot designed to assist children, serve as a monitoring tool for parents, and provide entertainment for children.

Technologies: Android Studio, Firebase, Docker

Projects

Spring Application Development and Kubernetes Deployment

Ensure the application compiles and executes correctly, test its basic functionalities, and verify deployment on a test Kubernetes cluster.

- Create a Dockerfile compatible with the Java version.
- Prepare deployment with a deployment.yml file.
- Configure .gitlab-ci.yml to automate compilation and packaging.
- Set up .gitlab-ci.yml to deploy the application.

Technologies: Docker, GitLab, Kubernetes

PitStop: Automated Deployment and Monitoring of an Application

This is a microservices application for a garage management system, named "pitstop".

- Creation of CI/CD pipelines for each microservice of the application, automating Build, Packaging, and orchestration.
- Deployment of the application services .
- Utilization of Prometheus for system monitoring, application monitoring, and logging.

Technologies: Docker, GitLab, Kubernetes, Prometheus

SmartParking

An application mobile for managing car parking,

- Image recognition to analyze license plate images and extract plate numbers.
- Processing of incoming and outgoing vehicles.

Technologies: Python, OpenCV, NodeJs, MongoDB

Various Skills

DevOps: Git - Gitlab - Jenkins - Docker - Kubernetes - Ansible - Vagrant - Prometheus

Cloud: AWS - Openstack - KVM - Linux - Azure(in progress)

Tools and databases: Maven - Figma - MYSQL - MongoDB

Programming: Java - Python - JavaScript

Skills: Agile Methodology - OOP

Languages

English Fluent	French Fluent	Arabic Native
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Extracurricular Activities

Social Affairs Club (CAS) President	IEEE INPT Membre	Enactus Membre	Sport Committee Basketball Chief
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