

Salem Hellal

SYSTEM ENGINEER

Education

2019-2022
bachelor in Computer Engineering
University of Mosatir

tools

- **Languages:** Python, Go,C, Rust, Bash and Javascript
- **frameworks:** vue, angular, react, django, wordpress
- **cloud platforms:** AWS, GCP
- **ML tools :** tensorflow , hugging-face, PyTorch
- **DataBase:** postgresql, mongoDB, SQLite, MySQL
- **networking:** VPN, SSH, RDP

Language

English
French
Arabic

Contact

phone:
+216 58911308
E-mail:
salem_hellal@protonmail.com
LinkedIn:
/in/salem-hellal-69058a218

Experience

Freelancer work

Feb/2024-currently

- Developed a full-stack web application using Vue.js for the frontend and Node.js Express for the backend.
- successfully debugged and compiled a web application built with Rust and Next.js, ensuring it is ready for deployment across multiple platforms
- Wrote documentation for the full-stack web application deployment process.

Ubial, DevOps Engineer

Apr/2023 - feb/2024

- Successfully orchestrated MLOps workflows through the integration of GitHub, Amazon SageMaker, and AWS Lambda, handling build and debug processes for seamless model deployment
- Collaborated on the management of serverless resources in AWS, including Lambda functions, EC2 instances, ECS containers, SageMaker models, S3 storage, RDS databases, and ALB configurations
- Managed, updated, and successfully migrated Postgres database to ensure optimal performance and data integrity
- Enhanced system observability by integrating monitoring and logging solutions, incorporating Prometheus, Grafana
- Established a robust integration between the web application and Salesforce platform
- Developed and integrated advanced features into the web app, leveraging Django on the backend and Angular on the frontend for a robust and user-friendly experience
- automated the process of deploying and testing new futures using GitHub actions , transformer, AWS and python selenium script

Freelancer work

June/2022 - Apr/2023

- Developed WordPress sites, resolved code issues, and seamlessly transferred websites between hosting environments.
- Conducted keyword research, implemented on-page/off-page optimization, and enhanced website performance for improved search engine rankings
- Uploaded and configured scripts on Linux servers, compiled and optimized code, and implemented security measures to protect against unauthorized access.

CES lab, Research assisant

Feb/2022 - June/2022

- Employed NumPy and Pandas in Python to preprocess datasets, ensuring data quality and compatibility for subsequent machine learning tasks.
- Utilized popular deep learning frameworks like TensorFlow, Keras, and PyTorch, to train and evaluate various machine learning models, exploring multiple architectures and algorithms.
- Developed a machine learning-based Intrusion Detection System, leveraging the capabilities of TensorFlow, Keras, or PyTorch, and deployed it on a Raspberry Pi integrated into an IoT hub for real-time monitoring and security enhancement.
- Documented and communicated research findings, methodologies, and insights from the Intrusion Detection System development and the training processes for various machine learning models.