SAID AMINE SELMANI

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PROFESSIONAL SUMMARY

- Detail-oriented Software Engineer with a strong foundation in developing and maintaining robust backend services using Golang and Python. Experienced in designing RESTful APIs, microservices architectures, and database management with PostgreSQL and Redis. Skilled in optimizing performance, ensuring security, and integrating cloud services such as AWS and GCP. Passionate about solving complex problems and delivering efficient, scalable solutions that drive business success.

EXPERIENCE

Software Engineer @Freelance | Remote   Sep 2022 - Sep 2023

Go | Python | Docker | CI/CD | RESTful API | PostgreSQL |Redis | Kubernetes | Git | Github | Ansible | Terraform

- Developed RESTful APIs and microservices architectures, enhancing system modularity and scalability.
- Automated the provisioning and management of cloud infrastructure using Infrastructure as Code (IaC) tools like Terraform and Ansible, optimized Python and Bash scripts for task automation, and implemented Kubernetes for container orchestration, enhancing deployment efficiency and reducing manual intervention by 60%..
- Containerized applications using Docker, enabling consistent and efficient deployment across various environments.

Research Intern @UHU & Andalusian Research Institute in Data Science   Mar 2024 - Jul 2024

- Developed and applied AI-based computer vision techniques to detect and classify crop leaf diseases using deep learning models like VGG16 and InceptionResNetV2.
- Optimized hyperparameters and implemented transfer learning to enhance model performance, analyzed model results, focusing on training, validation, and testing accuracy, and discussed implications for agricultural applications.

PROJECTS

GoChat   Go | Angular | Nginx | Apache Cassandra | Redis | OAuth | RabbitMQ

- Developed a real-time chat application using Go for the backend and Angular for the frontend.
- Utilized Nginx for load balancing, Cassandra for message storage, and Redis for caching.

Automated Environmental Data Logger   Python | Bash | Linux | MySQL

- Developed Python scripts to read data from temperature and humidity sensors and log the data at regular intervals.
- Used Bash scripts for automating the data logging process on a Linux server. -Implemented basic data visualization using Python libraries to provide insights into the environmental conditions.

CERTIFICATIONS

NVIDIA Fundamentals of Deep Learning   Issued: Nov 2022

- Completed a comprehensive course on deep learning fundamentals, covering topics such as neural networks, computer vision, and recurrent neural networks. Gained hands-on experience with TensorFlow and Keras, developing and training deep learning models for various applications.

Google Cloud Platform Certifications (Multiple)

- Earned multiple certifications from Google Cloud Platform, demonstrating proficiency in cloud infrastructure, resource management, and cloud-native application development. Courses covered topics such as foundational infrastructure tasks, creating and managing cloud resources, and utilizing cloud services for scalable solutions.

EDUCATION

University of Mouloud Mammeri Tizi Ouzou - Master in Computer Systems Networking and Embedded Systems   2022/2024

University of Mouloud Mammeri Tizi Ouzou - Bachelors in Computer Science   2019/2022