

# SAID AMINE SELMANI

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## PROFESSIONAL SUMMARY

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- Cloud Engineer with expertise in designing scalable backend systems, implementing AI solutions, and automating infrastructure on GCP, AWS, and Kubernetes. Demonstrated ability to develop high-performance APIs and implement CI/CD pipelines, optimizing development and deployment processes.

## EXPERIENCE

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### Software Engineer @Freelance | Remote

Sep 2022 - Sep 2023

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

- Developed an API that reduced verification time by 20% and handled over 10,000 requests per second ([verifymagically.com](https://verifymagically.com)).
- Containerized a TI Wi-SUN application for seamless integration into IoTStack, delivering a Dockerfile, comprehensive documentation, and local publishing instructions for easy installation and management.
- Designed and implemented a robust CI/CD pipeline on GCP using Jenkins and Kubernetes, reducing deployment time by 50% and increasing testing efficiency by 30%.
- Developed a crypto trading bot in Python for Binance, based on a TradingView Pinescript strategy. Faced challenges in converting to Golang, aiming for latency-free execution and multi-API functionality.

### Research Intern @UHU & Andalusian Research Institute in Data Science

Feb 2024 - Jul 2024

- Developed and deployed AI-based computer vision models for crop disease detection using TensorFlow and Keras, leveraging architectures like VGG16 and InceptionResNetV2, improving accuracy by 30%.
- Configured training environments on AWS and Google Cloud, optimized GPU usage, and automated deployment with Docker and TensorBoard, enhancing deployment efficiency and iteration speed.

## PROJECTS

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### GoChat

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

- Developed a scalable real-time messaging application with Go and Angular, using Nginx for load balancing and Redis for caching, supporting thousands of simultaneous users with optimized performance.
- Integrated Apache Cassandra for distributed message storage, ensuring high availability, and implemented OAuth for secure authentication, along with RabbitMQ for efficient message queue management.

### OneClickCompliance (Under Development)

Python | Bash | Linux | MySQL

- Designed an innovative web application in Golang to automate GDPR compliance checks, reducing the risk of legal penalties for businesses.
- Reduced GDPR compliance evaluation time by 40% with real-time and concurrent analyses using Go.
- Created a responsive user interface with HTML, CSS, and JavaScript, allowing businesses to quickly identify compliance issues and streamline remediation efforts.

## CERTIFICATIONS

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### NVIDIA Fundamentals of Deep Learning

Issued: Nov 2022

### Google Cloud Platform Certifications (Multiple)

## EDUCATION

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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