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<https://calendly.com/gdinoia/call>

Senior Software Engineer

As a software engineer with expertise in DevOps and Python, I am passionate about developing innovative and efficient software solutions. My skills in DevOps enable me to automate processes, manage infrastructure, and integrate various tools and technologies for seamless development and deployment.

DevOps Engineer: I am proficient in various DevOps practices and tools, including continuous integration/continuous delivery (CI/CD), infrastructure as code (IaC), containerization (e.g., Docker), orchestration (e.g., Kubernetes) and ETL (Airflow, BigQuery). I am also skilled in scripting languages like Python and shell, which allows me to automate repetitive tasks and write custom tools.

Python Developer: In addition to my DevOps expertise, I am a Python developer with a strong understanding of the language's libraries and frameworks. I am proficient in web development (e.g., Fastapi, Django) and Natural Language Processing (e.g., scikit-learn, NLTK, LLMs).

Other Skills:

- Strong problem-solving skills
 - Excellent communication and collaboration abilities
 - Ability to work independently and as part of a team
 - Passion for learning and staying up-to-date with the latest technologies
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PROFESSIONAL EXPERIENCE

Tech Lead (January 2025 - current)

Bytek SRL (Datrrix Group), Permanent, Remote

Technical Scope: K8S, Python, Airflow, BigQuery, Postgres, Django Rest, Langchain

Bytek is a startup that uses AI to enrich and connect customer data to optimize marketing strategies and increase sales.

Key Achievements:

- Implemented the core users reconciliation system.
- Addressed the vulnerability assessment and security issues required to apply to the ISO 27001.
- Team lead, scrum master and analyst.
- Setup a new k8s cluster to run airflow for solid DAGs to collect, transform and load data properly.
- Improvement to the IaaS project, CI/CD and application architecture.
- Deployment locally using docker compose and Helm / K8s for production.
- Develop the platform MCP server.

Backend Developer (July 2024 - current)

Datrrix Group, Permanent, Remote

Technical Scope: K8S, python, fastapi, mongodb, LLM and AI libraries

AIA Guard is a web application which provides tools to secure AI models

Key Achievements:

- A complete migration to microservices architecture.
- Implemented test suites (unit and integration) and QA automation.
- New anonymization service using Microsoft presidio.
- New AI moderation service using Ollama and multiple models.
- Improvement to the Adversarial Attack service on text and image models.
- Improvement to the IaaS project, CI/CD and application architecture.
- Deployment locally using docker compose and Helm / K8s for production.

Devops Engineer (September 2023 - June 2024)

Dbridge, Contract, Remote

*Technical Scope: **AWS, terraform, python, postgres, GitHub actions***

The Fintech platform provides value-add services to Bank's clients.

Key Achievements:

- Worked on the Compliance Epic to make the AWS based platform compliant with GDPR.
- Improvement to the IaaS project, CI/CD and application architecture.
- Implement and maintain AWS Python Lambdas
- Implemented a stress test tool

Backend Developer (December 2021 - September 2023)

Plentific, Contract, Remote

*Technical Scope: **Python, Django, celery, jenkins, docker, kubernetes***

The project is a PropTech platform

Key Achievements:

- Implementing new features and bug fixing on the existing backend codebase.
- Backend responsibilities on QA Automation test suite.

DevOps Engineer (August 2020 - September 2021)

Betstarters, Permanent, Malta

*Technical Scope: **Docker, Kubernetes, Azure, Gitlab, Golang, Angular***

The project is a betting platform: frontends and backends for betting providers.

Key Achievements:

- Dockerization of services and frontends.
- CI/CD using Gitlab and docker.
- Deployment using kubernetes

Backend Developer (July 2019 - December 2019)

Gaming Innovation Group, Permanent, Malta

*Technical Scope: **Docker-compose, Django, Postgres, Ansible***

The project is a crawler which checks the compliance of online casinos to the national regulations.

Key Achievements:

- Maintain the code-base adding new features and fixing bugs to an existing project.
- Worked as a team member in a mid size company.
- CI/CD using Ansible, teamcity, docker, Bitbucket and Bitbucket pipelines.

Lead Developer (April 2018 - March 2019)

Amafin GmbH, Contract, Remote

*Technical Scope: **Google cloud platform, Python, Docker, Bigquery, Amazon API, Web Scraping, Celery***

Analyze data from Amazon to access product performance and support decision makers by delivering reports. Design overall architecture of the web application. Maintain quality and ensure responsiveness of applications. Collaborate with the rest of the engineering team to plan and launch new features. Ensure cross-platform optimization and graphic designers for web design features. Designing and developing APIs.

Key Achievements:

- Created a cloud application that scrapes data from amazon with a \$600/month budget.
- CI/CD using Google Cloud services like Build, Repositories, Deployment management and Registry.

Backend Developer (July 2017 – April 2018)

Infolab data, Contract, Remote

*Technical Scope: **Docker, Docker Swarm, Python, Django, MongoDB, NLTK***

Developed a web application to monitor reputation online of brands. The app is fetching data regularly from social networks, websites, forums, and blogs using an on-premise backend. The data are normalized and then submitted to different natural language algorithms, Google API, and custom regression models.

Key Achievements:

- Maintain the code-base adding new features and fixing bugs to an existing project.
- Fetched data from the web using API and scraping techniques.
- Build a sentiment analysis model from the above data.

Backend Developer (November 2014 - June 2017)

Scondoo GmbH, Contract, Remote

*Technical Scope: **jira, bitbucket, Python, Google App Engine, mysql, bigquery, firebase***

Key Achievements:

- Reduced average processing time by introducing supportive OCR function.
- Enhanced backend source code by modularizing monolithic code base and writing unit tests for the full backend.
- Arranged Cloud Endpoints to provide RESTful API to app clients and external services.
- Maintained the backend of the app and used the Rest API.
- Web client to end users.

TIMEBOXED ACTIVITIES

Backend Developer (August 2021 - December 2021)

ActivePrime, Contract, Remote

*Technical Scope: **Python, Flask, FastApi***

The project is a CRM data cleaning

Key Achievements:

- Adding features and bug fixing on the existing backend codebase.

Backend Developer (April 2020 - July 2020)

DAO Maker, Contract, Remote

*Technical Scope: **Python, Django, Crypto***

The project is Crypto related and aims to create a community around a crypto project.

Key Achievements:

- Maintain the code-base adding new features and fixing bugs to an existing project.
- Implemented the translations system.
- Add a django web app to the project.

PERSONAL PROJECTS

METRICO (metrico.org) (2012 - 2014)

*Technical Scope: **Google App Engine, Python, Angular 1.2, twitter-bootstrap***

In this period I had some MOOC at coursera and I studied full time Python and web technologies and I had the idea to create a web application for the Quantity surveyors (construction work accounting).

EDUCATION AND TRAINING

Valgesta (land management), Sapienza University of Rome (1 year)

PTUA (Urban Planning), Politecnico di Milano (1 year)

Diploma di Geometra, Istituto Tecnico per Geometri, Barletta

Technical Certifications

An Introduction to Interactive Programming in Python (Python)

Web Application Architectures (ruby-on-rails, git)

Geodesign: Change Your World (geo)
Financing and Investing in Infrastructure (Project Management)