

KONSTANTINOS LAMPRIDIS

Python, Software Engineering & DevOps

@ k.lampridis@hotmail.com
🔗 konstantinoslampridis.io

☎ +30 6942671779
🌐 linkedin.com/in/konstantinos-lampridis/

📍 Thessaloniki, Greece

🐙 github.com/boromir674

🔗 gitlab.com/boromir674

Seasoned Software Engineer/Python Developer, emphasizing good practices in software design, DevOps, and Cloud Solutions. Demonstrated success in creating, developing, and testing software across various technology stacks.

SKILLS & STRENGTHS

- Expert in Python & Git, proficient in Docker, Bash & Typescript
- Delivering production-ready code (ie with OOP or FP) using best practices & software patterns
- Software Development: Design, Implementation, Documentation, Testing, CI/CD
- Software Engineering: Containerization, Microservices, APIs, Databases, Deployments
- Implementing software design, with a focus on the bigger picture, which is scalable, maintainable, and future-proof
- Machine Learning background, professional experience & practise
- Delivering software in an "Agile" (ie Scrum methodology) manner
- Strategic, analytical and thinking-forward
- Open-minded, promoting productive communication and openness
- Problem-solver, researcher, fast-learner

EDUCATION

M.Sc. in Artificial Intelligence

University of Amsterdam

📅 2014 - 2019

📍 Amsterdam, Netherlands

Thesis: Political Spectrum Aware Topic Model

Machine Learning Computer Vision Autonomous Agents

Natural Language Processing Reinforcement Learning

B.Sc. in Applied Informatics

University of Macedonia

📅 2008 - 2013

📍 Thessaloniki, Greece

Thesis: Computational Analysis of the Exterior Point Simplex algorithm

Algorithms Data Structures Software Engineering

Operating Systems Object-oriented Programming Databases

Deep Learning Specialization

deeplearning.ai, Coursera

📅 Nov 2019 - Dec 2019

TECH

- Python
- Git
- CI/CD (Github, Gitlab, Azure, CircleCI)
- Docker, docker-compose
- Shell Scripting, Bash
- Pytest
- FastAPI, Django, Flask
- Linux
- REST APIs, GraphQL
- AWS (EC2, ECR, EB, Lambda, Cloudwatch)
- GCP (Functions, Storage, BigQuery, SQL)
- Azure (DevOps, Pipelines, Web App)
- Jira, Confluence, GitBook
- Typescript, Javascript
- ReactJS, VueJS, D3.js
- ECR, Harbor, Nexus, Jfrog
- Nginx, Caddy
- PostgreSQL, MySQL, Redis
- Mkdocs, Sphinx
- Ansible
- Terraform
- Perl
- Java
- Elastic Search

EXPERIENCE

AI Ops Engineer - Contractor

D-Cube P.C.

📅 Apr 2024 - Jul 2024

📍 Themi - Thessaloniki, Greece

Spearheaded CI/CD, automated testing, and containerization to streamline development processes and accelerate deployments.

- Developed and deployed a custom Interactive Embedding Space Exploration web app to help the AI team detect outliers, improving data anomaly detection accuracy.
- Containerized multi-layered AI software stacks, enabling hardware-agnostic deployments and enhancing scalability.
- Developed Azure Pipeline Templates, for common CI/CD tasks like build, test, lint, docs, and deploy, to address the SDLC inefficiencies, enabling the AI team to adopt best practices.
- Improved GitOps processes by creating standardized workflows in Azure Pipelines that automated the release process using Git events. This approach streamlined operations, reduced manual interventions, and ensured consistent, reliable deployments across projects.

Docker

Azure Pipelines

Python

FastAPI

WSL

Deep Learning

Tensorflow

Nvidia/CUDA

GraphQL

Tech Lead - Contractor

Eco Development S.A.

📅 May 2023 - Nov 2023

📍 Fyliro - Thessaloniki, Greece

Guided the 'Software Engineering' team, emphasizing Cloud Architecture, DevOps, and ML/Data Ops. Functioned as a senior dev, mentor, and supervisor, contributing to strategic innovation and technical excellence.

- Developed an automated testing framework for ML model evaluation, focused on catching critical misclassifications, ensuring reliable predictions that aid in reducing operational costs.
- Managed GCP administration and engineered data pipelines to facilitate ETL workflows, optimizing data processing efficiency and improving data availability for analysis.
- Established a DevOps culture by implementing CI/CD pipelines, automated testing, and containerization, significantly reducing deployment times and increasing development productivity.
- Introduced Bitwarden, SSO, and Agile/Scrum methodologies using Jira and Confluence, streamlining team collaboration, enhancing security, and fostering an agile development environment.

Python

GCP

Docker

BigQuery

SQL

Cloud Functions

Deep Learning

Variational Autoencoder

DevOps Engineer - Contractor

Infovista SAS

📅 Oct 2022 - Apr 2023

📍 Massy, France - Remote

Member of the DevOps Enablement team at Infovista, a leading software provider of network/application performance solutions to over 1.700 customers in more than 150 countries.

- Facilitated automated DevSecOps Compliance and "Bill of Material" (BoM) on-demand computing, by developing a new CLI tool
- Enabled company managers to manage, track and mitigate whole portfolio's CVEs, by developing the API Backend of UI-driven app for handling managers' use cases
- Enabled tracking of Automated Deployments and their Lifecycle, by implementing a custom Logging and Monitoring solution
- Maintained the stability and reliability of the shared GitOps pipelines, which were critical to the CI/CD process for all portfolio's software at Infovista
- Contributed to the library of shared Job Templates, which served as essential building blocks for teams to construct flexible CI/CD pipelines

Docker

Python

Bash

Gitlab CI

Pytest

PostgreSQL

AWS

VMware

Jira/Confluence

CI/CD

Automated Testing

Platform Engineering

GitOps

DevSecOps

Scum/Agile

Senior Software Developer

Alvin

📅 Feb 2022 – Apr 2022

📍 Tallinn, Estonia - Remote

Alvin parses SQL metadata from popular "Data Platforms", such as Postgres, Redshift, Airflow, BigQuery, Tableau, Hive, etc and facilitates Data Governance Operations by providing a Software as a Service (SaaS) web app.

- Engineered an automated Test Framework to facilitate easier/automated testing in the future
- Integrated 'MySQL' and 'MS SQL Server' into our system & exposed the feature in the user app
- Implemented a "delete data" feature, upon user request from the app
- Designed a process to facilitate faster collaborative development, version control (and merging strategies) and Continuous Integration (CI), throughout the release cycle.

Python

FastAPI

Docker

Amundsen

Git

Data Warehouse Integrations

VueJS

Automated Testing

Mocking

Pytest

REST API

AWS

Scrum/Agile

Gitbook

Notion

Full-Stack Developer

Feel Robotics BV

📅 Mar 2020 – Mar 2021

📍 Amsterdam, Netherlands

Member of the Technology team, provided a range of software solutions, under a Scrum/Agile framework.

Working on various stacks, in a challenging environment, being involved in all aspects of the software: design, (API) development, (automated/unit/integration) testing, CI/CD.

Continuously contributing on the customly developed Order Management & Dashboard software (written in Python, deployed on AWS), fulfilling clients' orders coming from various webshops at real-time.

- Implemented "2-factor authentication" with QR Code scanning, to increase security
- Enabled sales for customers in Australia, Indonesia, Hong-Kong and Singapore, by integrating with the Invenco 3PL web API to periodically exchange data, using an authorized serverless app (AWS Lambda app)
- Wrote a "webhook" to migrate away from legacy "http polling" to a real-time/event-driven solution and achieve data exchange with the new Rakuten web API

Adding features for the IoT mobile (iOS & Android) app, providing a UI to allow inter-device Bluetooth communication.

Developed a Terminal App (in Python), providing a Wizard to guide the user's factory-site Bluetooth Device Testing.

Python

Django

CircleCI

Docker

Pytest

Javascript

React

Bluetooth

AWS Lambda

AWS EB

AWS Cloudwatch

AWS SQS

HTML

CSS

Angular

Firebase

Artificial Intelligence Specialist

Nmbrs BV

📅 Nov 2017 – Jul 2018

📍 Amsterdam, Netherlands

Member of the AI squad; was responsible for researching and enhancing the company's main product, "Payroll", by developing AI-powered features to assist the end-user pro-actively and intelligently

- Implemented data-driven systems for "salary proposal" and "wage-code prediction" powered by Linear Regression and Random Forest models respectively
- Built web APIs for the above systems, hosted them in Microsoft's Azure cloud platform and was responsible for monitoring traffic and performance

Machine Learning

Python

Linear Regression

Random Forest

SQL

Flask

REST API

OpenAPI

Azure Web App

Scrum/Agile

Software Developer - Freelancer

Universiteit van Amsterdam

📅 Nov 2017 – Mar 2018

📍 Amsterdam, Netherlands

Member of the 'Analysis Team', tasked with contributing to the Inca Open-Source Project.

- Engineered the 'analysis' (python) interface, that developers should implement, in case they want to supply a new 'analysis' algorithm.
- Developed a Topic Modeling algorithm as a concrete implementation of the 'analysis' interface
- Provided mentoring, within the team, for best practices when collaborating on code/software

Python

Topic Modeling

Latent Dirichlet allocation (LDA)

Machine Learning

Git

Celery

Research & Development Internship

Textkernel BV

📅 Aug 2016 – Dec 2016

📍 Amsterdam, Netherlands

- Augmented Textkernel's main product, Extract!, a CV (resume) parsing software, by building a computational model trained for the Greek language surpassing worldwide competition in performance
- Developed Hidden Markov and Conditional Random Field Machine Learning models; was responsible for NLP-related tasks such as feature engineering and token normalization

Machine Learning

Natural Language Processing

Conditional Random Field

Hidden Markov Model

Feature Engineering

Perl

Bash

Git

Scrum/Agile

CI/CD