

Christos Zisis | CV

Nymfon 14, 19010, Lagonisi – Athens, Greece

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Experience

CanadaLife Europe

Dublin, Ireland

Senior Cloud Solutions-DevOps Engineer, Platform Operations

Jan 2023 - Present

- Development of CI/CD mechanisms and cloud infrastructure using Kubernetes, Helm, Docker, Jenkins and Azure DevOps Pipelines.
- Developed a new release process for our CI/CD environment to streamline configuration changes, adaptability to the needs of our development teams and to ensure availability, security and stability for Jenkins instances.
- Designed architectural changes to the configuration of our services to make them environment-agnostic and allow them to be hosted in additional environments with minimal effort.
- Supported CLE's service development teams through multiple releases and reviewed the application needs for Azure hosted resources.

Amazon Web Services

Dublin, Ireland

Software Dev. Engineer @ ElastiCache & MemoryDB

Mar 2020 - Nov 2022

- Maintainer of ElastiCache's OpsConsole, the central monitoring and management service using Ruby on Rails and AWS.
- Implemented workflows to support audited access over our customers' resources and also developed multiple views to automate complex processes for on-call engineers and give configuration options over components of ElastiCache.
- As part of the MemoryDB AWS launch team implemented core workflows to create a self-managed environment with automated scaling for in-memory database instances using Java, Spring and AWS.
- Worked on the development of the MemoryDB internal operations' console.

Intracom Telecom

Athens, Greece

Software Engineer, Operational Support Systems

Jun 2019 - Feb 2020

- Development of a sensor-based IoT platform using Java and Spring.
- Deployment orchestration managing GitLab, Docker, Openstack and Saltstack.

Department of Informatics and Telecommunications

NKUA, Athens, Greece

Programming Languages and Advanced Software Technologies Lab

Oct 2017 - Mar 2019

- Research on static points-to analysis of LLVM IR bitcode produced by C/C++.
- Courses taught as TA: Operating Systems, Systems Programming

Hellenic (Greek) Army General Staff

IT Support Center, Athens, Greece

Analyst - Software Developer

Apr 2017 - Nov 2017

Technologies

- Infra & Cloud: Kubernetes, Helm, Docker, AWS, Azure, Nginx, Jenkins, Gitlab, Ansible
- Languages: Java, Ruby, C/C++, Groovy, Python
- Frameworks: Spring, Spring Boot, Rails, AspectJ, CUDA
- Databases: SQL (Maria, Aurora, Postgres, MySQL), NoSQL (Mongo, Dynamo), Influx

Education

MSc @ Department of Informatics and Telecommunications

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National and Kapodistrian University of Athens,

2017 - 2019

Thesis: "Performance optimization on Declarative Points-to Analysis using the Souffle Datalog Engine"

Implemented the logic of CClyzer in the open-source Datalog engine - Souffle, in order to provide minimal run-time on static "points-to" analyses of LLVM bitcode produced by C/C++ source code.

Advisor: Yannis Smaragdakis

BSc @ Department of Informatics and Telecommunications

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National and Kapodistrian University of Athens,

2010 - 2016

Thesis: "Parallelization of regular expression pattern matching using the GPU"

Implementation of a library to spot malicious packets of data, utilizing the GPU (CUDA) for the acceleration of the whole process.

Advisor: Alex Delis

Additional Projects

○ Personal cloud using K8s

Design and implementation of an on-premise, high-availability Kubernetes cluster using arch64 hosts to implement and deploy services for personal use (e.g: Grafana, Plex, OpenVpn, DDNS entries, Nginx, Metallb and various IoT controllers).

○ Home Automation & Networking

Implementing Smart Home solutions using a Linux Server, Ansible, Docker, NginX, Jenkins, OpenWrt and HomeAssistant.

○ Distributed Systems | NKUA-DIT, Athens, GR

Developed a terminal-based online RPG board-game using Java, in which users may participate using distributed protocols to reach consensus.

○ Operating Systems | NKUA-DIT, Athens, GR

Implemented the representation of a UNIX File system and its operations to be used as interactive storage containers.

Languages & Social Skills

Greek: Native

English: Fluently

Certificate of Proficiency in English - Lived & worked in Dublin, Ireland

Social Skills:

Team-spirit, Good communication skills, Dedication, Coordination

Other Interests

- Astrophotography

- Reading

- Swimming