

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 using Kubernetes, Helm, Terraform and Jenkins.
- Supported the 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. Additionally 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