Christos Zisis | CV

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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, Terraform 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: Azure, AWS, Terraform, Kubernetes, Helm, Docker, Jenkins, Ansible, Nginx

○ 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 **8,8/10**
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 **7,3/10**
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, Open-Wrt 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, Chess, Reading, Swimming