

## Summary

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More than 6 years of solving complex problems for emerging cloud-native software platforms offered to B2B customers, by architecting and developing novel solutions to improve performance, reduce the cost footprint and greatly increase development productivity across the organizations, in several styles of different team formats (Embedded to SWE teams, standalone teams, one-man show setups)

## Work Experience

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### Cloud Engineer & Architect

#### Radicant.com

**October 2023 – present**

Cloud team

On-Site, Zurich

- Driving change in the Banking Platform, to be more secure and reliable, using primarily ArgoCD, Kubernetes, and various GCP technologies
- Supporting Engineers with Terraform deployments, migrating workflows to use Atlantis and various other tech for other support topics such as Teleport integrations, etc

### Senior DevOps Engineer

#### Goodnotes.com

**Aug 2022 – July 2023**

Marketplace &amp; Platform team

Remote, Zurich

- Drove the migration of multiple services between cloud platforms, including Heroku, AWS & GCP
- Advised & Assisted the development of a new payments backend with MongoDB to support the creation of a new Store feature for digital in-app stationeries of the Goodnotes app v6
- Maintained, improved upon & developed services in the EKS clusters integrated with ArgoCD that were used in multiple envs, to support the efforts of backend teams
- Kickstarted the creation of a new Platform team to improve collaboration between teams, reduce tooling duplication & increase clearly-defined ownership by drafting a detailed proposal which led to the eventual creation of a 3 people engineering team!

### DevOps Engineer III

#### Swisscom.ch

**May 2022 – July 2022**

IAM team

On-site, Zurich

- Earned valuable experience by exposing myself to a large team and tech setup, oriented to enterprise-scale systems, collaboration and development
- Did a deep Dive into the services provided by the company to external B2B customers and provided valuable roadmap insights

### Senior DevOps Engineer / SRE

#### 1plusx.io

**Nov 2019 – Mar 2022**

DevOps team / Platform Team

On-site, Zurich

- Played a key role in the inception, planning, and implementation of various DevOps, infrastructure & security-related projects which supported the company getting successfully acquired by TripleLift
- Proposed, architected and led the migration of the CI/CD system by moving from monolithic Jenkins to Github Actions (self-hosted runners with custom Terraform modules), enabling the Engineering Department to iterate faster, while at the same time increasing the available executors count by at least 5 times, and reducing the overall cost of the system by more than half
- Improved the existing networking setup in AWS and provided guardrails for future VPC-securing and creation
- Architected the new Batch Pipelines' system, migrating from a monolithic EC2-based setup to a scalable ECS solution, running on Fargate which came with a CLI tool written in Golang, to facilitate development further
- Led the upgrade and design of the Terraform setup (by first consolidating into its most overlapping ansible scripts) in addition to being the driver on related technologies and the go-to engineer for consultation across the organization
- Strengthened our offering's overall systems' security through custom open source solutions such as Wazuh and 2FA solutions for dev access + managed ones like AWS GuardDuty, KMS, Secrets manager & SSO
- Enhanced the monitoring capabilities to improve the uptime & observability using Grafana, InfluxDB, and collectd and then further developing future plans to improve the setup
- Actively drove and participated in formal deeply technical post-mortems to find the root cause analysis of degraded systems, and coming up with actionable improvements that were implemented afterwards to increase the reliability of 1plusx' MarTech Platform
- Maintained and extended end-to-end the distributed streaming infrastructure with Kafka and NoSQL databases such as Couchbase
- Acted as an internal consultant for customer-facing Product Software Development teams in architecting new backend services & features for maximum reliability and in conjunction with infrastructure systems

- Unblocked developers by debugging cryptic Scala compile and runtime issues
- Constantly advised Sales teams and more Customer Success Engineers with technical questions originating from customers, but also helping them out to timely execute tasks that required infrastructure expertise, especially when it came to networking bottlenecks and other challenges
- Promoted to Sr. after 1.5 year and created a new standalone Platform team after a few months.

## DevOps Engineer

### Starcoders.com

Feb 2019 – October 2019

Infrastructure / DevOps team

On-site, Ghent, Belgium

- Prepared our Terraform setup for distributed development by moving the backend to S3 and DynamoDB
- Improved the IaC state by moving from manually built cloud machine images to properly versioned AMIs with HC Packer for various use cases (SSH bastion, Monitoring Agent, etc)
- Cost reduction with ECS Autoscaling and Spot Instances which resulted in cutting runtime costs by one third.
- Owned migration projects for the infrastructure team for upgrading our Logging and Monitoring stacks by benchmarking new versions of Elasticsearch and successfully migrating to them.

## SWE Intern / Jr. DevOps Engineer

### Yields.io

Feb 2018 – Jan 2019

On-site, Ghent, Belgium

- Gained valuable experience in developing Spark applications with the Akka actors framework with Hadoop, Jupyter and other big data technologies, using Scala & Python
- Pivoted to DevOps and the infrastructure side of business due to my fascination to get deeper understanding of the field
- Exposed myself with Containerization, AWS, HC Vagrant, HC Terraform, Ansible, Linux scripting

## Education

**B.Sc. in Informatics**, Athens University of Economics and Business, Greece

2015 – 2019

specialized in Information Systems & Security, Operational Research, Very Good, 6.6/10

## Technical Skills

- Amazon Web Services EMR, DynamoDB, EC2, ELB, SNS, Lambda, SQS, SES, S3, VPC, Route53, RDS, etc
- Operating Systems Linux (Debian/Ubuntu, RHEL, CentOS), MacOS, Windows Server
- DBs: MySQL, MariaDB, PostgreSQL, InfluxDB, Couchbase, MongoDB
- Container Orchestration: ECS, Kubernetes Platform (EKS)
- Messaging Brokers: Kafka
- Observability: Nexus, Zabbix, Grafana, Datadog, Elasticsearch
- CI/CD: Jenkins, Gitlab CI/CD, GitHub Actions, Argo {CD / Rollouts}
- IaC: Terraform, Packer, Ansible
- Networking: TCP/IP, UDP, DHCP, DNS, HTTP, IMAP, SMTP, NAT, Wireshark, subnetting
- Software Development: Java, C/C++, Python, Scala, Golang Git, Shell Scripting, Akka framework, Docker, JIRA
- Dev Tooling: Vagrant, Docker, localstack
- Build Tools: sbt, Makefile, Maven
- Systems' Security: Penetration Testing with Kali Linux, Intrusion Detection with Wazuh and AWS GuardDuty

## Certifications

- **CodeFresh GitOps Fundamentals** Issued Sep 2022
- **AWS Certified Solutions Architect - Associate** Issued Dec 2021 · Expires Dec 2024
- **HashiCorp Certified: Terraform Associate** Issued May 2021 · Expired May 2023

## Soft Skills

Excellent Prioritization skills | Constantly exposed to multiple cultures / Empathetic | Communicative & flexible to each colleague's preferred style | Able to adapt in pressing scenarios to deliver when it's time critical and work under pressure

## Languages

- Greek (Native)
- English (Proficient - C2)
- French (Intermediate - B2)
- Japanese (Basic - JLPT N4)