

# Tiago Silvestre Condeixa

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I'm a Software Engineer specializing in **Infrastructure, Cloud, and Developer Tools**. I enjoy designing and delivering **simple, scalable** and **reliable** solutions for the entire **development lifecycle**, with a focus on developer experience and operational excellence. I thrive on solving complex challenges and integrating technologies that drive meaningful business impact.

## Technical Skills

**Software Development:** IaC | Cloud | Containers | CI/CD | Automation | SRE | Networking | Microservices

**Languages:** Go | Python | Bash | C | SQL | JavaScript

**Infrastructure:** AWS | Kubernetes | Terraform | Docker | Jenkins

**Monitoring & Databases:** Grafana | Prometheus | Loki | PostgreSQL

## Experience

### Zalando

**Senior Software Engineer (Cloud Infrastructure)** *August 2021 - Present*

Operating, improving and extending the AWS infrastructure for 300+ accounts. The main focus is on improving cost efficiency, reliability and compliance, while reducing toil and improving user experience for developers. Later also operating, improving and extending 200+ Kubernetes clusters.

- **Lead** the migration of entire AWS central infrastructure to AWS Cloudformation, including the **development** of a golang application to manage Cloudformation stacks for 300+ accounts and multiple regions (apply, plan, validation).
- **Designed and Implemented** a golang service to support the CI/CD by managing AWS Cloudformation stacks for 2000+ engineers, including validation, plan and deployment.
- **Lead** the migration of Cloud Infrastructure access (Users and CI/CD) to Okta, including the **development** and **distribution** of a golang CLI used daily by 2000+ engineers.
- **Coordinate** Cyberweek preparations with the entire company by representing the Infrastructure Organization.
- **Designed and Implemented** a solution to create, update and rotate application tokens for 1000+ applications.
- **Supported** the migration of 100+ self-managed Kubernetes clusters to AWS EKS clusters (IPv6), including changes on the system to support the migration and multiple clusters per account.

### Zenjob

**Senior Software Engineer (Platform)** *January 2019 - July 2021*

Provided and improved a Developer Platform for 100+ Engineers to deploy, operate and monitor their applications.

- **Lead** the migration of 50+ Microservices to new Kubernetes clusters (AWS EKS and Istio) with no downtime and with minimal engineer effort.
- **Deployed and maintained** Jenkins CI/CD, including abstractions in Groovy to deploy all common use-cases.
- **Developed** a Python CLI to simplify the daily tasks for 100+ Engineers interacting with the Platform.
- **Deployed and maintained** Kubernetes Clusters (AWS EKS and Istio) and out-of-the-box Observability with Loki, Prometheus, Jaeger and Grafana.
- **Provided** Terraform modules to abstract complexity with out-of-the-box best practices.

### Veniam

**Software Engineer (Infrastructure)** *April 2017 - December 2018*

Operated and improved both the cloud and embedded infrastructure, as well as to provide a platform for 50+ engineers to deploy and monitor their applications.

- **Managed** AWS accounts and AWS services.
- **Adopted** Terraform for infrastructure provisioning and Puppet for configuration management.
- **Maintained** Nagios, InfluxDB and Grafana for monitoring and alerting.
- **Provided and Operated** the ELK stack for logging.

**Systems Engineer (Embedded and Network)** *September 2014 - March 2017*

Operated and improved the embedded network software for 500+ devices and the related network infrastructure.

- **Developed** software solutions in C and some Python regarding mobility management, multihoming and delay-tolerant communication for embedded devices and network controllers. This included developing, improving or integrating network protocols, data caching, opportunistic communications, connection manager, DHCP, Wireguard, Multipath TCP.
- **Defined and configured** the network that connects moving vehicles (embedded devices), network controllers and Linux servers. Some examples include Linux distribution setup, OpenWRT, OpenVPN, network configuration and iptables.

## Education and Certifications

University of Aveiro, Portugal

- PhD in Electrical Engineering (2009 - 2014) with a **PhD Scholarship** issued by Portuguese National Science Foundation.
- MSc in Electronic and Telecommunications Engineering (2004 - 2009) with a **Merit Scholarship** as one of the best students of 2008/2009.

## Certifications

- Linux Foundation: [Certified Kubernetes Application Developer](#) (Issued Feb 2023)
- HashiCorp: [Certified Terraform Associate](#) (Issued Jul 2020)
- Amazon Web Services (AWS): [Solutions Architect Associate](#) (Issued Nov 2018)