Tiago Silvestre Condeixa

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Skills

Go | Python | Bash | C | Github | Git

AWS | Kubernetes | Terraform | Docker | Grafana | Prometheus | Loki | Jenkins | PostgreSQL

Experience

Zalando

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

- **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, saving 500+ hours per month of Engineers time and reducing the amount of related incidents by 10%.
- **Supported** the migration of self-managed Kubernetes clusters to IPv6 EKS, including changes on the system to support multiple clusters per account.

Zenjob

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

- **Lead** the migration of 50+ Microservices to new Kubernetes clusters (AWS EKS and Istio) with no downtime and with residual Engineers effort.
- **Deployed** and **maintained** Jenkins CI/CD for 100+ Engineers and 50+ pipelines, 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, saving 300+ hours per month of Engineers time.
- **Deployed** and **maintained** Kubernetes Clusters (AWS EKS and Istio) and out-of-the-box Observability with Loki, Prometheus, Jagger and Grafana.
- **Provided** Terraform modules to abstract complexity with out-of-the-box best practices for 100+ Engineers, reducing by 500% and 100% respectively the time to create or update services.

Veniam

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

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

Systems Engineer *September 2014 - March 2017*

- **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 and integrating network protocols, data caching, opportunistic communications, connection manager, DCHP, 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 - Expires Feb 2026)

- HashiCorp: Certified Terraform Associate (Issued Jul 2020 - Expired Jul 2022)

- Amazon Web Services (AWS): Solutions Architect Associate (Issued Nov 2018 - Expired Nov 2020)