

# Martins Eglitis

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## EXPERIENCE

### TOPTAL | DEVOPS ENGINEER

Nov 2021 – Now

- Upgraded existing Terraform configuration with new functionality, e.g. new modules for Gitlab runners, new AWS IAM roles and policies for IRSA, etc.
- Implemented new features in Gitlab CI/CD pipelines, e.g., kubepug for checking deprecated Kubernetes objects, trivy for scanning container vulnerabilities.

### DYNATECH | DEVOPS ENGINEER

June 2021 – June 2022

- Developed a Go-based cost calculation tool for generating Kubernetes usage costs.
- Migrated multiple applications to Kubernetes, wrote Dockerfiles, GitLab CI/CD pipelines, ArgoCD applications, custom Helm charts.
- Planned and performed production Kubernetes cluster and component (CNI, KEDA autoscaler, etc.) upgrades with no downtime.

### PRINTFUL | DEVOPS ENGINEER

June 2020 – June 2021

- Implemented on-demand staging environments based on Kubernetes for teams to work in sandboxed, scalable, and self-healing environments.
- Programmed a tool in Go for both interactive and automated deployments to production servers using Viper and Cobra libraries.
- Conducted research and implemented optimal Gitflow workflow strategy for modern continuous software development.

### TERRA VIRTUALA | BACKEND DEVELOPER

Feb 2016 – Sep 2018

- Rewrote an unmaintained app from .NET to PHP and Bootstrap, wrote a data retrieval app in Node.js for communicating with iRobot robots over REST API.
- Normalized the existing MySQL database, improved indexing and query execution times, and set up master-slave replication on air-gapped servers.
- Automated on-prem server installation using shell scripts, and later managed users, permissions, backups with Ansible, etc.

### ADEVO | LEAD BACKEND DEVELOPER

Oct 2014 – Apr 2016

- Managed a team of two PHP developers and introduced daily standups, retrospectives, sprint plannings, monthly knowledge-sharing sessions.
- Delivered two web projects skorstensgaard.dk, technicafootball.com, and a social Android app for a mobile operator.
- Administered workstations and cloud services for a team of 20+ members.

### GANDRS | FULL STACK DEVELOPER

Apr 2013 – Sep 2014

- Improved the existing PHP framework based on CodeIgniter and Kohana. Worked on expanding the core functionality of the in-house CMS systems.
- Delivered APIs for banking and other webshops and introduced digital payment systems.

## INTERNSHIPS

- **Aptiv | DevOps | Dec 2018 - Jun 2019** Implemented Zabbix and Ansible Tower (AWX) to monitor servers and project stats.
- **IECS | Research | Dec 2016 - Mar 2017** Worked on a localization problem of model cars and the race track using OpenCV.
- **Accenture | DevOps | Dec 2012 - Mar 2013** Configured 30+ Solaris environments for Java applications using Jenkins.

## TOOLS

### DEVOPS

Linux, Go, Git, Terraform, Docker, Hyperscalers (AWS, GCP, Azure), CI/CD pipelines (Gitlab, Github, Jenkins) Kubernetes, Helm, GitOps (ArgoCD, Flux), IaC (Terraform, Pulumi), Grafana, Prometheus, Loki, Kyverno, Traefik

### BACKEND

Go, Python, PHP, Laravel, PostgreSQL, MariaDB, SQLite

### FRONTEND

Bootstrap, Gulp, SCSS, JS

### ROBOTICS

C, KiCAD, Onshape, ATmega, Arduino

## EDUCATION

### CHALMERS / EPFL

M.Sc. IN COMPUTER SCIENCE  
Sep 2018 – Jul 2020

Specialization in Real Time Systems and Cyber Security. Exchange studies and Master's thesis at EPFL, Switzerland. Thesis topic: Crash-Free Network Functions in Home Routers.

### UNIVERSITY OF LATVIA

B.Sc. IN MATHEMATICS  
Sep 2008 – Jul 2012

Thesis topic: Hidden Markov Models and Applications.

## CERTIFICATES

Kubernetes: CKS, CKA, CKAD  
Terraform: TA  
AWS: CP

## LINKS

[gitlab.com/sitilge](https://gitlab.com/sitilge)  
[linkedin.com/in/eglitismartins](https://linkedin.com/in/eglitismartins)  
[toptal.com/resume/martins-eglitis](https://toptal.com/resume/martins-eglitis)