

Espen Albert



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<https://github.com/EspenAlbert>

Summary

I am a developer with six years of experience building and deploying software across the stack and clouds. I care about every stage of the software development cycle, from idea to delivery. I'm passionate about writing clear code, building helpful tools, and contributing to open-source projects.

- Favorite languages: Python, Terraform, Javascript, Go
- Most used technologies: AWS (EC2, IAM, Lambda, DynamoDB, EKS, ECS++), Kubernetes, InfluxDB, MongoDB, Istio, Envoy, Postgres, Docker, Kafka, Azure DevOps, Gitlab, Github++
- Frameworks: FastAPI, Flask, Django, Dash, PantsBuild, React, Angular++
- Education: Master's degree in Computer Science from the Norwegian University of Science and Technology.

Experience



DevOps Engineer

wheel.me

Feb 2021 - Present (2 years 8 months)

After the team grew from three to over ten engineers, I identified DevOps as the most impactful and exciting role. I contributed to improving the speed and quality of our commit-to-release process and scaled our cloud infrastructure to work securely across regions and clients.

Tech projects:

- Managed the cloud infrastructure on AWS across the organization
- Built and managed a SaaS product with multiple tenants on AWS with CI/CD pipelines in AzureDevOps supporting build-verify-rollout-rollback stages to multiple kubernetes clusters
- Built a serverless observability system to support logs, metrics, alarms, and dashboards for AWS and slack
- Built a GitOps-based deployment system to maintain dev, stage, and production environments on AWS
- Built and deployed various Python microservices with an event-driven architecture



Full Stack Developer

wheel.me

Dec 2018 - Jan 2021 (2 years 2 months)

The third developer who joined the company. Responsible for everything not running on the hardware: frontend, backend, and cloud. Tasks such as attending demos to show the product, communicating with clients to understand use cases, and iteratively developing to improve the product.

Tech projects:

- Configured a staging+production cloud setup on AWS for the organization
- Built various backends with full CI/CD pipelines for managing and controlling robots.
- Built a web application for controlling robots

- Built a robot component that receives messages from the backend and forwards them to ROS (Robot Operating System)
- Used OCR (optical character recognition) to perform end-to-end tests with Selenium on a web app



Software and Web Developer

Rocketfarm AS

Aug 2017 - Dec 2018 (1 year 5 months)

- Worked as a consultant in smaller teams, building various full-stack applications and communicating directly with clients.
- Created an Udemy course: Quick introduction to InfluxDB

Education



Norwegian University of Science and Technology (NTNU)

Master's degree, Computer Science

2012 - 2017

4th year finished at NTU - Nanyang Technological University (Singapore)



Kristiansand Katedralskole Gimle

Realfag

2008 - 2011

Skills

Go (Programming Language) • Python (Programming Language) • Postgres • GitOps • FastAPI • Amazon Web Services (AWS) • Kubernetes • Ansible • MongoDB • Linux