

## Detelina Marinova

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### Profile

Junior DevOps/Platform Engineer candidate with hands-on Azure DevOps CI/CD, IaC, Docker, and Azure deployments through internship and projects.

### Education

Jensen YH  
DevOps Engineering

Malmö, Sweden  
2024 – 2026

### Experience

**DevOps Engineer Intern @ Sigma Technology, Lund Sweden** September 2025 – December 2025

- Improved Azure DevOps CI/CD pipelines by adding caching and optimizing build steps, reducing build time and increasing reliability.
- Added basic monitoring with Azure Application Insights including Availability tests to verify endpoint uptime.
- Reconfigured Docker/Solr setup to use repository-based configuration, increasing portability and maintainability.
- Investigated migration of Azure DevOps pipelines to GitHub Actions, analysing constraints in existing Azure/IIS infrastructure.
- Built and deployed a full-stack weather app as a hands-on DevOps project using Docker, Python (Flask), React, Terraform, Azure Container Instances and GitHub Actions.

### Projects

**Containerized Multi-Service Flask Application with Docker Compose (Course Project)** April 2025

- Containerized Flask-based frontend and backend services and orchestrated them with Docker Compose
- Used Traefik as reverse proxy and load balancer on port 80, routing traffic to three frontend instances and one backend service
- Integrated Redis as a shared data store and configured Traefik dashboard and access logging, with the whole stack started via a single 'docker compose up -d'

**Testing a Flask Web Application (Course Project)** April 2025

- Collaborated in a team to design and implement a comprehensive testing suite for an existing Flask web application
- Created and executed unit tests to validate backend logic and route responses
- Wrote integration tests to verify interaction between Flask routes, form inputs
- Applied testing principles such as black-box testing, test case design, and test coverage analysis

**AWS Infrastructure Automation with OpenTofu & Ansible (Course Project)** March 2025

- Designed and deployed infrastructure on AWS using OpenTofu for IaC and Ansible for provisioning
- Automated deployment of EC2 instances and security configurations
- Wrote modular templates and playbooks, integrating variables and dynamic inventory
- Demonstrated ability to apply DevOps principles and manage cloud-based deployments

**Single-Player Python Game with SCRUM Methodology (Course Project)** February 2025

- Collaborated in a team of 5 to develop a simple 2D single-player game using Python (Pygame) and managed workflow using SCRUM practices
- Participated in sprint planning, standups, retrospectives, and backlog management
- Gained real-world exposure to Agile software development, version control, and team collaboration tools (GitHub)

**Inventory Management Console App in Java (Course Project)** November 2024

- Developed a Java-based console application to manage inventory operations, including product tracking, stock

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updates, and user interaction via a CLI

- Applied OOP principles to structure reusable, modular code

### MySQL Database for Solar Bed Business (*Independent Project*)

Summer 2023

- Designed and implemented a relational database using MySQL to manage inventory, client data, and sales operations for a small solar bed company
- Defined optimized schema, set up foreign key relationships, and created custom queries for data retrieval and reporting

## Leadership & Activities

### CEMES students

#### Inter-University Student Leader

February 2024 - Now

- Lead an inter-university student initiative connecting students from Lund, Malmö, and Copenhagen universities
- Spearhead collaborative projects focused on European identity, culture, and academic exchange
- Organize multicultural events, panel discussions, and networking sessions to foster cross-border student engagement
- Promote inclusivity and shared values within a diverse academic community across the Öresund region

## Skills

**DevOps & Cloud:** Azure, AWS, Azure DevOps, GitHub Actions, Terraform, Ansible, Docker, IaC, CI/CD

**Languages & Scripting:** Python, Java, Bash

**App env:** .NET, Java, Python

**Web & Servers:** Flask, Gunicorn, Nginx

**Databases:** MySQL, PostgreSQL

**Observability:** Azure Application Insights

**Tools & Practices:** Git, GitHub, Jira, SCRUM, automated testing

*Note: Hands-on experience through personal and academic projects; actively building proficiency in all listed tools.*

**Language:** English, Swedish, Bulgarian

**Interests:** Skydiving, Motorcycling, Weightlifting