


# Roland Kajatin

Computer Vision and Systems Engineer

 <https://rolandkajatin.com>

 <https://github.com/Kajatin>

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## Contact

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## Languages

Hungarian native

English fluent

Danish basic

## Technologies

C++, Rust, Typescript,  
Python, Swift, AWS, Linux,  
Docker, GitHub Actions,  
MQTT, PostgreSQL, Next.js,  
React, Svelte

## Experience

### Teton

#### Lead Computer Vision Engineer

2023 - Present

Oversaw feature development and application deployments of a growing computer vision team.

Built and maintained internal tools for deployments configuration and data pipelines.

Contributed to building robust and scalable backend services on AWS to handle messages from hundreds of IoT devices.

Implemented GitHub actions based CI/CD pipelines for deployments and PR status checks.

### Teton

#### Computer Vision Engineer

2020 - 2023

Contributed to all aspects of building a computer vision based patient monitoring system from the ground up.

Lead on performance optimized application code running on NVIDIA Jetson edge devices featuring CUDA, TensorRT, and a components based design.

Co-designed and built a custom fleet management system with a Rust agent to suit our specific needs.

Maintained on-device and backend services for our MQTT messaging pipeline.

Worked on automating the flashing and provisioning of Jetson devices.

### Alstom Transport Denmark A/S

#### Test Analyst

2018 - 2020

Conducting functionality and stress tests of the traffic management system for railway operations in Denmark.

Software conformity evaluation to requirements, as well as preparing documentation.

Implementation of an RFID programmer software using the .NET framework in C#.

Installation and deployment of hand-held terminals used by trackside operators.

### Technical University of Denmark

#### IT Employee

June - August 2020

Integration and calibration of Intel RealSense D435 vision hardware on a modular robotic platform.

Collaboration with engineers at Robot At Work.

Designed and implemented camera resectioning and image segmentation.

## Education

### Technical University of Denmark

#### MSc in Engineering (Autonomous Systems)

2018 - 2020

**Thesis** Computer Vision System for Autonomous Mortar Raking Robots

### Aalborg University

#### BSc in Engineering (Robotics)

2015 - 2018

**Thesis** Obstacle Avoidance with VFH+ on the DJI Matrice 100 Quadcopter  
Using Stereo Vision