

# Artur Brodovic

## Software Developer

### Contacts

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### Education

2024-2026 **MSc Computer & Embedded Systems Engineering** / TU Delft

I am currently in a final year of my degree. During studies:

- Learned how to efficiently design software from scratch in a Team using UML and architecture patterns.
- Implement multiple web projects using SpringBoot, typescript and other technologies.
- Worked using an Agile and Scrum methods.
- Got a strong theoretical foundation in Algorithms, Data Structures, Computer Graphics and Cryptography.
- Followed an elective track on low level programming of the Operating systems and Embedded Software.

2020-2024 **BSc Computer Science and Engineering** / TU Delft

I am currently in a final year of my degree. During studies:

- Learned how to efficiently design software from scratch in a Team using UML and architecture patterns.
- Implement multiple web projects using SpringBoot, typescript and other technologies.
- Worked using an Agile and Scrum methods.
- Got a strong theoretical foundation in Algorithms, Data Structures, Computer Graphics and Cryptography.
- Followed an elective track on low level programming of the Operating systems and Embedded Software.

2019-2020 **Vilnius School of AI**

AI focused community in Lithuania. There my fascination with competitive AI on platforms like Kaggle has started. I studied topics ranging from Data science to Deep learning and developed multiple AI related projects including analysis of Board games marked and Image clustering system based on pretrained CNN output vectors.

2016-2020 **Sofijos Kovalevskajos gymazium** / Vilnius

My high school where I focused on Math, Informatics and Physics.

## Work Experience

### 2023-2025 **Product Specialist:** Ubiops

I was a Product Specialist at Ubiops, an AI deployment and orchestration company, where my role involved a broad set of tasks:

- Extending deployment platform to support ARM-based nodes.
- Integrating AMD GPUs and Graphcore IPU with autoscaling algorithm.
- Managed complex Docker container infrastructure over a range of diverse machines.
- Demonstrated latest LLM inference and finetuning on Ubiops platform.

### 2023 **Software Engineer Intern, IoT Predictive maintenance project:** MakeTek/Eaglescience

We developed a failure detection system for elderly care tools in a 5-person team, featuring:

- Sklearn-based anomaly detection with online learning, deployed on RaspberryPi devices.
- Centralized dashboard powered by Django backend and React web app.

### 2022-2023 **Full stack developer Django/ReactJS:** Everspring

I worked as a part-time developer at a drop-shipping company that directly connects retailers and growers. During my work, I:

- Worked on a complex architecture comprising 30+ microservices within a hybrid team of remote and on-site developers.
- Architected a high-performance plugin using Django, ReactJS, GraphQL, and JWT, which distributed over 1000 products to hundreds of Shopify stores concurrently while processing customer orders.

### 2021-Present **Software Engineer / Mentor:** Dream Team Epoch

I was a Software engineer at AI focused TU Delft dream team. There I got experience of solving different deep learning challenges and used Computer Vision, NLP and Reinforcement learning techniques under a strict time constraints. We competed in worldwide AI competitions on Kaggle and other platforms and were ranked among best teams on the leader board:

- Deep Chimpanzee: Depth Estimation for Wildlife Conservation (Top 4%)
- Task Mate Kenyan Sign Language Classification Challenge (Top 8%)
- Hulkshare Recommendation Algorithm Challenge (Top 2%)

Later I remained engaged in a team as Mentor, providing theoretical insights and coding advice to following teams, helping them achieve victories in several competitions.

### 2017-2018 **Full-stack developer :** Freelance

During summer breaks, I did freelance projects that involved enhancing websites using PHP, WordPress and JavaScript.

## Technical Skills

**Programming languages:** Python, Java, C++, C, PHP, JavaScript, Typescript, Verilog/SystemVerilog

**Key Technologies:** Django, ReactJS, Angular, SpringBoot, CMake, PyTorch, Linux, Docker

**Markup:** HTML, CSS, LaTeX

**APIs:** REST API, GraphQL

**Cloud services:** AWS, GCS

## **Non-technical**

- Human Languages:
  - English (Fluent)
  - Lithuanian (Fluent)
  - Russian (Native)