

Patrick Burgård Bjerre

About me

I am a driven developer who takes great pride in the quality of my work. I have been programming for 8 years, including 3 years of experience in a professional setting.

Areas of specialization

- Backend • Software Architecture
- Dependable systems
- Machine Learning

Contact & Social



Experience

- 2022 - NOW **SOFTWARE DEVELOPER, DANSKE INKASSO**
I am currently a student software developer at Danske Inkasso. Responsible for developing and architecting internal systems and tools, such as domain controllers, CLI Tools, Business Intelligence Tools, and Machine Learning pipelines.
Tech Stack: C#, Blazor, Python, Rust
- 2024 - 2025 **SOFTWARE DEVELOPER, RESEARCH PROJECT LEAKAGE POWER**
Designing and creating an ML model to optimize energy consumption in a household.
Tech Stack: C++
- 2021 **3D MODELLING AND DESIGN, ALPHA-E**
Freelance design of a solar filtration system; modeled a complete steel model constructed to provided specifications.

Education

- 2024 - 2026 **M.Sc. in Software Engineering**, Syddansk Universitet
- 2021 - 2024 **B.Sc. in Software Engineering**, Syddansk Universitet
- 2020 - 2021 **Robotics Engineering**, Syddansk Universitet

Programming

Primary languages:

C# Go Python

Languages I know:

C C++ Java Rust SQL

Tools:

Git Linux Docker Ansible Vim

Languages

Danish | Mother tongue
English | Professional Fluency

Projects

- HA-Platform** **Master's Project:** Architecting a highly available service platform designed for critical infrastructure reliability.
- Log-Parser** Built a streaming parser to convert 100GB JSON datasets to CSV with minimal memory footprint.
- ICU-Predictor** Deep learning model for early sepsis detection in ICU patients using Python.
- Sand-Sim** Falling Sand simulator benchmarking Array vs. Hashmap performance for physics rendering.

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