William Winkler
Software Engineer

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PROFILE

I am a detail-oriented, responsible software engineer with a strong passion for my work. I am committed to delivering excellent results and I am always looking to learn and improve. Above all, I am a team player and value the importance of communication and collaboration.

EXPIERENCED IN

- **Languages**: TypeScript, Python, Go, Elixir, C#, Rust
- **Frameworks**: NestJS, Swagger, React, Next.js, Flask, .NET, gRPC, Phoenix
- **Databases**: MongoDB, Redis, SQlite, PostgreSQL, CosmosDB, DynamoDb
- **Clouds**: AWS, Azure, MongoDB Atlas DigitalOcean, Vercel
- **Monitoring**: Grafana, Prometheus, Kibana, ElasticSearch, CloudWatch
- **Technologies**: Docker, Kubernetes, Linux, RabbitMQ, AWS Lambda, Beanstalk, Azure Functions, Node.js, SQL, NoSQL, Github Actions, Git, Ansible, HTMX, REST, Tailwind, GraphQL, MQTT, Chrome-extensions, JIRA, Scrum

PRIVATE

I'm 26 years old, and I have been living in Frankfurt since the start of 2024. I'm danish and I like to work out and have practiced athletics since 2012. Throughout my athletic career, I have won several medals in the high jump discipline at Danish championships. In addition to my love for sports, I also enjoy spending a lively evening out with friends, attending to meetups & conferences, playing games, building computers or working hobby projects.

LINKS

- william-winkler.com
- linkedin.com/in/williambwinkler
- github.com/williamwinkler

EXPERIENCE

Cloud Engineer, Full time
Mar. 2024 - Present | RUBINLAKE

Develop and maintain the RUBINLAKE platform (NestJS, Python, MongoDB) - a platform growing daily containing legal and financial information for every company in the DACH region and over 10M+ contacts for talent acquisition.

Designed and implemented AI workflows, enhancing data extraction with caching and prompt-optimizations like token reduction leading to reduced costs and faster response times.

Integrated recommendation and similarity logic utilizing embedding-models & efficient vector searches using fine-tuned indexes with MongoDB Atlas.

Consulted on and developed an Azure IoT backend, focusing on real-time telemetry data, scalability and security.

Build a chrome extension that enables users to easily add contacts found while browsing to RUBINLAKE.

Junior Site Reliability Engineer, Student worker
Feb. 2023 - Jan. 2024 | Systematic

Maintained, improved and expanded monitoring and alerting for projects.

Developed a small lightweight program which did service discovery and would automatically setup monitoring and alerting on newly deployed services, eliminating a recurring 5+ hour manual task.

Analyzed and visualized Four Keys metrics like Mean Time To Recovery and Mean Time Between Failures (MTTR & MTBF) helping us identify areas of improvement.

🔗 See recommendation letter

Full-Stack Developer, Volunteer
Dec. 2022 - Jan. 2024 | Aarhus Symposium

Developed and maintained a participant management system, designed to handle 1000+ users and PDF submissions for the biggest leadership conference by students in Scandinavia.

Automated the deployment and rollback processes with a CLI tool, which greatly reduced the complexity, chance of human-errors and the time needed resulting in a more frequent and faster deployments and rollbacks.

Backend Engineer, Intern
August - December 2022 | Lunar

Worked with handling applications and loan in Credit & Lending.

Developed and maintained Go-microservices and implemented improvement-of-life features on the internal platform in ReactJS for back office.
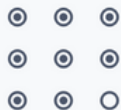
🔗 See recommendation letter

EDUCATION

Bachelors Degree in Software Technology
Aug. 2020 - Feb. 2024 | Aarhus University, Denmark

For my bachelor's project, my group and I developed an IoT solution in collaboration with the company Iterator IT. Our project focused on monitoring factors such as temperature, humidity, and CO_2 levels in office environments. I am proud to mention that our dedication and hard work led to the project receiving the best grade possible.

LANGUAGES

Danish   ◉ ◉ ◉
English   ◉ ◉ ◉
German   ◉ ◉ ○

SELECTED PROJECTS

SITT - (Si)mple (T)ime (T)racking app - Hobby project

Jun. - Oct. 2024

I wanted to build a simple program, to track time on projects ⏱️

I also wanted to experiment with Rust so I combined the two and created SITT. It consists of an API deployed on AWS Lambda using DynamoDB (free tier) and a CLI to easily authenticate & interact with the API.

🔗   https://github.com/williamwinkler/sitt ⏱️

Book Tracker - Hobby project

Jan. - Feb. 2024

A new year resolution of mine was to read more books. Naturally I had to create an application to keep track:
Book Tracker is a simple web app that allows you to keep track of the books you are reading, have read and want to read.

🔗   https://booktracker.william-winkler.com 📚

Automate discovery and monitoring of services

 July - Aug 2023 | Systematic A/S

A project was in the process of rewriting their services to another framework, thereby breaking our monitoring and alerting. I successfully developed a solution, a lightweight agent running on the host machines utilizing the Docker Daemon and exposing scrapejobs for Prometheus, which would automatically discover and setup monitoring for the new services, as soon as they were deployed. This reduced time the time to setup monitoring from 3+ hours to <5 min.
It was written to be highly customizable and it's behavior was simply defined in YAML configuration file.
The agent is now used across SRE teams.

Hearthstone Card Viewer - Hobby project

 Jan - Aug 2023

I wanted to publish my very own webpage with a dedicated backend and decided on creating one for Hearthstone cards since I am a big fan of the game. The webpage is written in ReactJS and the backend in Go. The source codes can be found on my GitHub and a link to the webpage is underneath here.

🔗   https://hscards.william-winkler.com 🔶