Yusuf Abdirizak MAHAMED

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 github | linkedin | portfolio

SUMMARY

Ambitious person with experience and interest in IT, electronics product- and software development. I thrive in environments that allow me to take on new challenges and push the boundaries of my knowledge and skills. I am good at getting an overview of complex tasks and structuring them in a way that makes them manageable and feasible.

EDUCATION

AARHUS UNIVERSITET
2020-2025

BSc IN IT-PRODUKTUDVIKLING

- Distributed Systems and Security
- Experimental System Development
- Software Engineering and Architecture

FREDERICIA GYMNASIUM
2013-2016

STX

EXPERIENCE & PROJECTS

AARHUS UNIVERSITY - THE KITCHEN
Oct. 2021 – Oct. 2022 <> Aug 2023 - Present

IT STUDENT ASSISTANT

- IT-support, AV and light for events.
- Data analysis for optimized decision making
- Ad hoc duties
- Represent the university and The Kitchen at fairs.

REAL-TIME FITNESS WEB APP
Dec. 2024 – Present

FULL-STACK DEVELOPER - LIVE NOW

A live, self-hosted gym management system tracking real-time occupancy.
- Delivered as paid solution to the costumer, currently in daily production use
- Full-stack development: Node.js backend with WebSocket live updates + Bootstrap frontend
- Containerized with Docker and deployed via Cloudflare Tunnels to private home server
- Involved from concept to deployment, covering the full software development life cycle.
- Designed a mobile-first interface using Bootstrap for responsive use across devices.
- Led user research, wireframing (Figma, Adobe), and iterative prototyping.
- Conducted cognitive walkthroughs and think-aloud testing to guide design decisions.

KVIK TEKNIK
Aug. 2020 – Jun. 2021

CO-FOUNDER

A student-driven IT/electronics support company. Develop products to assist in IT education.
- Mission statement.
- Product development.
- Market research.
- Creation of the company (CVR registration, website).

SKILLS

Programming Languages	**Advanced:** JavaScript ｜ HTML/CSS ｜ Flask **Intermediate:** Java ｜ Go ｜ C++ ｜ Python **Learning:** C ｜ SQL ｜ Node.js
Developer Tools	Git Version Control Agile Development Docker
Hardware & Embedded	CAD (Fusion360), 3D Printing Arduino/ESP32 Development IoT Protocols (MQTT, HTTP) Electronics & PCB Design

EXTRA

FUT - THE ENGINEERS' PARTY COMMITTEE *Feb. 2019 – Jun. 2020*

VOLUNTEER

• Planning and holding semester parties for 800 students.
• PR.

SMUKFESTIVAL *2017, 2018, 2019*

VOLUNTEER

• Ice delivery for Cocio