Bahaa Hamed

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💻 GitHub: github.com/eyepat Protfolio: https://portfolio-mu-weld-72.vercel.app/

Profile

I am a dedicated and goal-oriented Bachelor engineering student in Computer Engineering and Economics at KTH Royal Institute of Technology, with a passion for technology, innovation, and societal benefit. With solid skills in programming, databases, and system development, as well as hands-on project experience, I am seeking opportunities to grow within software development, web development, or UX design.

Education

KTH Royal Institute of Technology

(2022-2025)

Bachelor of Computer Engineering and Economics

Skills

- **Programming:** Java, JavaScript, TypeScript, C, Assembly, VHDL
- **Databases:** MySQL, MongoDB, PostgreSQL
- **Web & Frameworks:** HTML/CSS, MVC, React, Quarkus
- **Tools:** Docker, Keycloak, Axios, Jest, SDL2, SDL_net, Figma, GitHub, Scrum
- **Other:** Adobe Photoshop, Adobe Premiere Pro (basic knowledge)
- **Soft Skills:** Problem-solving, communication, teamwork, adaptability
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Projects

Admin Panel for Wait App – Patient Overview System for KI
Fullstack Developer

- Developed an admin panel for patient data management using React, TypeScript, and Quarkus
- Implemented REST APIs and secure authentication with Keycloak
- Delivered real-time blood pressure charts and search/sort functionalities
- Technologies: React (TypeScript), Java, Quarkus, PostgreSQL, Docker, Keycloak, Axios, Jest

Ball Brawl – Network-Based 2D Multiplayer Game

Systems Developer (networking and game mechanics)

- Built a 2D soccer game for up to four players with TCP-based communication
- Developed game mechanics and MVC architecture for logic and graphics separation
- Delivered a stable prototype with a responsive gaming experience
- Technologies: C, SDL2, SDL_net, TCP/IP, MVC, GitHub, Scrum

Drive My Kid – Carpooling Prototype for Children

UX-designer

- Designed a mobile app for parental carpooling using Figma prototypes
- Conducted needs analysis and user testing to iterate the design
- Created a clickable prototype with intuitive UI and safety features
- Technologies: Figma, UX Research, Usability Testing, Design Thinking

Experience

Humana AB – Personal Assistant

2018 – Present

- Provided high-quality care and support to individuals with various needs
- Built trust through empathy, precision, and adaptability

Zalando – Picker and Packer

Jan 2021 – Jun 2022

- Handled customer orders efficiently in a fast-paced environment
- Developed organizational and time management skills under pressure

Computer Engineering Company – IT Technician

Jul 2013 – Jan 2015

- Worked as a retail salesperson and technician focused on customer support and troubleshooting
- Developed communication skills through direct customer interaction