

Josef Al-Masri

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EDUCATION

Software Engineering and Management

Gothenburgs University

Aug '22 - May '25

Gothenburg, Sweden

Relevant Course work

Object-Oriented Programming, Data Structures and Algorithms, Data Management, Software Architecture, Web and Mobile Programming, Software Quality and Testing, Embedded programming, Distributed systems development

TECHNICAL SKILLS

- Java, JavaScript, Python, Flutter, Node.js, Flask, MQTT, Arduino, Vue.js, React, Next.js, MongoDB, Firebase, JUnit, Git, Postman, Docker, Linux

WORK EXPERIENCE

Developer, School-Specific Reward System App (Algebraskolan).

Jun '23 - Present

Developed a custom digital reward system app, transitioning from physical to digital coins using **Flutter** and **Firebase**, serving 300 users on App Store and Google Play.

- Digital Transformation:** Successfully shifted from a physical coin system to a digital platform, enhancing transaction efficiency and tracking.
- Database Integration:** Managed over 2,000 digital coin transactions monthly with Firebase, streamlining cafeteria purchases and reward exchanges.
- Educational Engagement:** Integrated mandatory math challenges for portfolio access, aligning with the school's focus on algebra. This approach is aimed at improving student learning outcomes, with a goal of increasing math problem-solving skills.

Fullstack developer intern at Luday

Mar '24 - Jun '24

During my internship, I worked in an **Agile Scrum** environment, developing a management tool website similar to Trello. I used **Next.js** and **React**, gaining valuable experience in teamwork and collaborative software development.

PROJECT EXPERIENCE

Self-Driving Miniature Car Algorithm Development

Mar '24 - Jun '24

- Collaborated in a team to develop a **C++** algorithm for a self-driving miniature car using **AI**. Analyzed data from files, processed images with OpenCV, and achieved precise steering. Utilized **Docker** and **Linux** virtual environments for development and testing, ensuring compatibility and stability across multiple platforms.

Fullstack Developer, Gothenburg Dentist Appointment System

Okt '23 - Jan '23

- Engineered a distributed system for dentist appointments in Gothenburg using **Python** (Flask), **JavaScript**, **Vue**, and **MongoDB**.

Fullstack Developer, TALKLINK Chat App

Aug '23 - Okt '23

- Built 'TALKLINK,' a multi-language chat app featuring real-time translation powered by ChatGPT OpenAI **API**, using **Vue**, **JavaScript**, **Node.js**, and **MongoDB**.

Frontend Developer, Sleep Well Project

Mar '23 - Jun '23

- Developed the frontend of "Sleep Well" using **Flutter**, focusing on **microcontroller** integration and device connectivity with **MQTT** and **Firebase**.

LEADERSHIP

Quality Assurance Leadership: Orchestrated a team of external testers for comprehensive integration and scenario testing, ensuring robust software performance and quality for the Algebraskolan app.