



# Mohammad Mahdi Kheirkhah

[mahdikheirkhah060@gmail.com](mailto:mahdikheirkhah060@gmail.com)

+3584573482021

Mariehamn, Åland  
Islands

[Portfolio Website](#)

[LinkedIn](#)

[GitHub](#)

## Summary

---

Full-stack developer and grit:lab student based in Mariehamn. Strong background in Java (Spring Boot) and Frontend development (Angular, Vue.js). Analytical problem-solver with a B.Sc. in Computer Engineering. Experienced in building scalable applications and solving complex technical challenges in collaborative environments.

## Skills

---

- **Data Science** **Backend** Python (Pandas, NumPy, Scikit-learn), Java (Spring Boot), Golang, C/C++
- **Frontend** JavaScript, TypeScript, Angular, Vue.js, HTML, CSS
- **Databases** SQL (Microsoft SQL Server), NoSQL (MongoDB)
- **Development Tools** Git, Docker, AWS (Cloud basics), TDD, Kafka, API Integration (REST, GraphQL) and System
- **Emerging Tech** n8n (Learning), Neural Networks, Reinforcement Learning, LLM Integration, Quantitative Finance
- **Other** Embedded Systems (Arduino, AVR), Enterprise Architecture, Microprocessors

## Education and training

---

**Student Further Vocational Qualification in ICT | Grit lab** (Mariehamn, Åland) *Sep 2024 – Aug 2026*

- Intensive, project-based learning focused on Go, JavaScript (Vue, Angular), and Java (Spring Boot, Microservices).

**Bachelor of Science Computer Engineering | University of Kashan** (Kashan, Iran)

- **Core Skills** Object-Oriented Programming (C++), Algorithm Design & Analysis, Data Structures, Database Management (SQL), Data Mining, Operating Systems, Computer Networks
- **Final Year Project** Developed an evacuation planning optimization model using the NSGA-II algorithm in Python.
- **Teaching Experience:** Teaching Assistant – Data Structures Course

## Projects

---

**buy 01 E commerce Microservices** [GitHub](#)

- Architected scalable Java (Spring Boot) backend with Angular frontend; designed RESTful APIs with TDD
- Implemented CI/CD pipelines (Jenkins), code quality checks (SonarQube), and microservices patterns (Eureka, Kafka)

**Evacuation Planning Optimization** [GitHub](#)

- NSGA-II genetic algorithm optimization model in Python

**social network** [GitHub](#)

- Full-stack application using Go and Vue.js with SQLite database management

## Languages

---

Persian: Native | English: Advanced | Swedish: Beginner