# Rahman Farshgar

## Software Developer

**Versatile software developer with 5+ years of experience designing, developing, and maintaining high-performance web applications. Proficient in React, TypeScript, Node, Express, Python, Java, and a range of web technologies to create scalable and efficient solutions. Demonstrated expertise in the Container-View design pattern for modularity, separation of concerns, and rapid application development. Expert in maintaining and enhancing existing codebases to ensure optimal performance and reliability. Strong passion for technology and a proven track record of delivering successful projects.**

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## AREAS OF EXPERTISE

| Full-Stack Development | React | Typescript | Javascript | React Query | Redux | Node.js | Express |

| Python | Java | C | Docker | Git & Github Workflows | Github Actions | Structured query language (SQL) |

## PROFESSIONAL EXPERIENCE

### Software Developer
### Sesam.io AS

*06/2021 - Present*      *Oslo, Norway*

**Sesam iPaaS** *(Integration Platform as a Service) enables seamless integration with both unstructured and structured data.*

*Achievements/Tasks*

- Building user-centric experiences through responsive and interactive frontends, powered by React, Redux, and TypeScript and by leveraging Material UI toolkit for maintaining a consistent brand identity and smooth user flow.
- Developing and implementing secure RESTful APIs using Python Flask and JWT for a stateless token-based authentication.
- Effectively maintaining and enhancing an aging codebase functionality while incorporating new features.
- Successfully addressed breaking changes stemming from dependency upgrades, ensuring seamless integration and stability.
- Streamlined the codebase by refactoring components, utilizing TypeScript, and breaking down complex components into manageable chunks to enhance reliability, robustness, and maintainability.
- Leveraged the container-view design pattern to optimize codebase performance that can lead to seamless Storybook integration, and facilitate efficient testing and scalability.
- Adopted a comprehensive test-driven development approach, employing Jest for unit testing and Cypress for end-to-end testing.
- Crafted an automated CI/CD pipeline using GitHub Actions, ensuring continuous integration and delivery of the software

### Full-Time Faculty Research Assistant
### Eastern Mediterranean University

*08/2019 - 08/2020*      *Famagusta, Cyprus*

**EMU** *International University, established in 1979 with 16000 students from 110 different countries.*

*Tasks / Teachings*

- Foundations of Computer Engineering with Python
- Programming Fundamentals with C
- Object-Oriented Programming with Java
- Data Structures with C
- Database Management Systems with OracleDB and SQL
- A sample recording during the Covid pandemic that education was conducted online: https://youtu.be/a2ROgP8oJuY

# PROFESSIONAL EXPERIENCE

## Java and Android Developer
Jiro Software Development Company

*09/2017 - 12/2018*                                                      *Sanandaj, Iran*

*Achievements/Tasks*

- My first software engineering role provided invaluable hands-on experience, solidifying my understanding of programming and development careers. I gained practical skills in Java, Spring framework, and Android while deepening my knowledge of the software development lifecycle.
- Java Developer: Participated in a team to create a web enterprise Java application with Spring framework, Spring Boot, and Hibernate.
- Android Developer: Implemented a high-end Android application by utilizing a wide range of technologies and frameworks.

# EDUCATION

## MSc in Computer Science - Reliable and Secure Systems
University of Stavanger

*09/2020 - 09/2021*                                                      *Stavanger, Norway*

*Courses*

- Wireless communications
- Distributed Systems
- Algorithm Theory
- Security and Vulnerability in Networks
- Balancing the commitments of a full-time career with the academic intensity of a Master's program prompted me to strategically pause my studies at the University of Stavanger. With newfound experience and focus, I'm dedicated to returning and achieving my academic goals in the near future.

## MSc in Computer Engineering
Eastern Mediterranean University

*01/2019 - 08/2020*                                                      *Famagusta, Cyprus*

- Full Fund Scholarship
- GPA: 3.73 out of 4
- Thesis: Biometrics - The Fusion of Palmprint, Palm Vein and Dorsal Hand Vein for Personal Identification.

## BSc in Software Engineering
University of Kurdistan

*09/2012 - 09/2017*                                                      *Kurdistan, Iran*

- GPA: 16.72 out of 20
- Thesis: Personal Expense Manager Android Application

# LANGUAGES

English
*Full Professional Proficiency*

Norwegian
*Limited Working Proficiency*

# INTERESTS

 Web3           Coding           Swimming           Walking in Nature