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# Mohsen FM - Software Engineer

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## SKILLS

Backend | Frontend | Mobile | DBA | Git | Docker | AWS Cloud | Automation | IoT  
| Data Modelling | AI | REACT/Vue | TypeScript | Node.js | Web development |

## EXPERIENCE

### \_ (MI) – ( *Personal Project* )

Mar. 2025 – Sep. 2025

- Develop responsive front-end interfaces using HTML5, CSS3, JavaScript, and frameworks like Nextjs and React.
- Design, implement, and maintain relational databases (e.g., MySQL, PostgreSQL) and/or Databases design (Microsoft SQL).
- Develop scalable backend systems using Node.js, Python (Django/Flask), or PHP (Laravel).

### Furness Insurance, Milano (MI) – Sr. Software Engineer

Jan. 2025 – Mar. 2025

- Design and development of backend APIs using C# ASP.NET, Entity Framework, Linq.
- Development Frontend pages and components (JS, JQuery, Html)
- Other activities including database design, table normalization

### Circularity, Milano (MI) – Sr. Software Engineer

Mar. 2024 – Sep. 2024

- Design and development of backend APIs, AWS, Terraform, AWS Sam.
- Development of REC platform using REACT, TypeScript, Django
- Creating Microservices architecture for legacy node apps, Dockerization and migration to AWS cloud.
- Data processing , automating Excel databases with Python.
- Other activities including maintenance and optimization of existing code base (Typescript, Node, AWS Lambda, REACT)

### Tera Srl, Conversano (BA) – Solution Architect

May. 2022 – Oct. 2023

- Design and development of Beeta backend in NodeJS and frontend in REACT.
- Development of flutter UI components
- Creating Microservices architecture for legacy node apps, Dockerization and migration to AWS cloud.
- AWS configuration EC2, VPC, ACM , IAM Policies, RDS.
- Other activities including development in Python flask, influxDB, grafana

### **San Raffaele Hospital (MI)** – *Full Stack Software Engineer*

Sep. 2020 – Feb. 2022

- Design and development of a Healthcare platform utilizing NodeJS for backend and frontend in VueJS (Vuetify)
- Development of C program for sensor data analysis and integration with Node api (NAPI).
- Developed End to End tests (microsoft playwright) and JEST unit tests

### **GN Techonomy, Bergamo** – *Solution Architect Intern*

Sep. 2019 – Feb 2020

- Development of REACT Native application for visualization of IOT sensor data
- Backend development using Spring boot for MQTT event processing
- Development of Python application for image processing using openCV, tensorflow, numpy

### **Sooeasy, Milan** – *Full Stack Software Engineer Intern*

Nov. 2018 – Feb 2019

- API Development of <https://www.penguinpass.it> in Laravel
- Design & Development of responsive frontend GUI components VueJS
- Integration of Mailgun APIs into backend
- Testing and quality assurance of backend and frontend components

### **Green Intelligence, Mashhad** – *Junior Software Engineer*

Jan. 2014 – Jan 2016

- Network programming in C and C++ for detection of offline devices
- Database administration, development of triggers, stored procedures, database structure and optimization of SQL queries
- Development of WPF components in C#

## **EDUCATION**

### **Politecnico Di Milano** – *Master of Science in Computer Science*

Sep. 2017 – Jul. 2020, Milan

### **Sadjad University of Tech** – *Software Engineering*

Sep. 2010 – Jul. 2014, Mashhad (IRAN)

### **IELTS Academic 7.5** – *British Council*

Sep. 2017

## Microsoft Certified System Engineer – MCSE

Sep. 2009 – 2010, Mashhad (IRAN)

## AWARDS

Top Student for 6 consecutive semesters at Sadjad University of Technology.

## Tech Stacks

### Backend

NodeJS: Express | Astro | Nest |

Java: Spring | Boot | Hibernate |

Python: Django | Flask | Fast API | numpy | openCV | tensorflow |

Php: Laravel | Symfony |

C#: .Net Core (WPF) | ASP.NET |

Databases: MySQL | SQLite | Microsoft SQL | MongoDB | PostgreSQL

### Frontend

Typescript/Javascript: REACT | NuxtJs | NextJs | VueJS/Vuetify |

Monitoring: Grafana Dashboards | Tick Stack |

Mobile: REACT Native | Flutter | Android Native |

General: HTML5 | CSS3 | Cesiumjs | Tailwind css |

Testing: Junit | Jest | Cypress | Playwright |

### Devops

Source Control: Git, SVN

Microservices: Docker | Kubernetes |

Cloud Computing: AWS | Bitbucket | Github Actions (CI/CD) | Automation |

Terraform | AWS SAM | GCP |

General: Linux Scripting | Bash | Virtualization | Network Administration |

**In case of further clarifications about my past experiences and projects please do not hesitate to contact me.**

*I authorize the treatment of my personal data according to the European Regulation no. 679/2016*

