# Saman Fekri

◉ Milan, Italy | ☎ +39 366 592 6781 | ✉ samanf74@gmail.com | in linkedin.com/in/saman-fekri | ⌂ github.com/SamanFekri

## Summary

Highly skilled software engineer passionate about problem solving, analytical thinking, and collaborative teamwork. Experienced in developing robust software solutions, optimizing code for performance, and leveraging cutting-edge technologies to drive innovation. Also, proficient in area data science, full-stack development, and artificial Intelligence. Carried multiple positions, and worked in many projects. Committed to delivering high-quality, confident in decision making, and continuously seeking for improvement.

## Skills

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|---|---|---|---|
| **Languages** | Python, NodeJs, Go, PHP, Java, HTML, CSS | **General** | Docker, Microservice, AWS, GCP, Git, CI/CD |
| **Frameworks** | Angular, Vue, tailwind, pytorch, pandas | **Methdologies** | Agile, Scrum, Test Driven Development |
| **Database** | SQL, MongoDB, BigQuery, Clickhouse | **Messaging sys** | Rest API, RPC, GraphQL, Kafka, RabitMQ |

## Experience

**Software Engineer**                                                                                  **Feb 2025 – now**
*Capgemini | Milan, Italy*
– Designed and implemented federation management services between telecom operators using Go (Golang).
– Automated deployment of microservices using GitHub Actions, Docker, and Kubernetes.

**Full stack Engineer**                                                                        **Oct 2024 – Jan 2025**
*Klear Finance | Milan, Italy*
– Developed KlearFinance website using **Django**, **Vue.js**, and **Docker**.
– Designed and optimized the software architecture for scalability and performance.

**Full stack Engineer**                                                                        **Oct 2023 – Jul 2024**
*Minerva Technologies | Milan, Italy*
– Used **advanced algorithms** and **quantitative analyses** to drive strategic and tactical **decision-making**.
– Implemented **AI** trading algorithms that, through backtesting, resulted in a **15% increase** in average portfolio returns.
– Reduced algorithm runtime by 30% by optimizing code efficiency and data processing pipelines.

**Software Engineer**                                                                          **Apr 2022 – Sep 2023**
*310 AI | San Fransisco, USA*
– Integrated and processed **10TB+** of text data from diverse sources using **BigQuery**, **optimizing** data retrieval processes.
– Developed cutting-edge **AI** and **large language model** techniques for protein design.
– Created a data-fetching algorithm that reduced query time from 50ms to 10ms, leading to an **80% speed improvement**.
– Collaborated with cross-functional teams, sharing knowledge on **AI model development** and **data integration** best practices.

**Backend Developer**                                                                          **Sep 2018 – Feb 2020**
*Sanjagh | Tehran, Iran*
– Transion from a monolithic to a **microservices** architecture using **Golang**, reducing infrastructure costs by **60%**.
– Designed and deployed a **scalable** microservices solution, handling a **300%** increase in requests with no downtime.
– Implemented a **recommender system** that improved click-through rate (CTR) by 250-300%.

## Education

*M.Sc.* in *Computer Science and Engineering* | *Politecnico di Milano*                    *Feb 2020 - Jul 2024*
*Major in **Data Science** and **Machine Learning***                                                   *Milan, Italy*
*M.Sc.* in *Computer Science and Engineering* | *Universita della Svizzera Italiana*        *Sep 2022 - Sep 2023*
*Erasmus*                                                                          *Lugano, Switzerland*
*B.Sc.* in *Software Engineering* | *Amirkabir University*                                  *Sep 2013 - Sep 2017*
*Graduate as **top 3** rank.*                                                                  *Tehran, Iran*

## Projects

**AGIRE**                                                                                       M.Sc. Thesis
An **AI model** to assess the quality and validity of images generated, and edited by **Generative AI** and **LLM**, like InstructPix2Pix, and ControlNet.

**Covid Predictor**
A **Python** Telegram bot to predict COVID-19 cases in Italy, using **time series algorithms**. It extracts data from the Italian Ministry of Health.

## Language

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|---|---|
| ***English*** | *Fluent* |
| ***Italian*** | *Working proficient* |
| ***Persian*** | *Native* |