Saman Fekri

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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

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   Oct 2023 – Jul 2024
Minerva Technologies | Milan, Italy   *Internship*

- 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   *Part time*

- 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.

Full-stack Developer   Jul 2021 – Mar 2022
Deesup | Milan, Italy   *Part time*

- Led the redesign of the platform architecture using TypeScript and NodeJS, reducing **95%** of page load time.
- Utilized **AWS** cloud infrastructure and front-end frameworks.

Backend Developer   Sep 2018 – Feb 2020
Sanjagh | Tehran, Iran   *Full time*

- 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

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