Mahan Parham

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Introduction

- maparham40@gmail.com

- Born in 1985, Iranian, Persian, passport name: Mahmoud Parham

- Permanent resident of Austria (Daueraufenhalt-EU)

- PhD in Computer Science (networks and learning algorithms)

- Resident in Vienna

- https://maparham.github.io

Hello Nomad Automate!

I found you quiet by chance while browsing Vienna jobs on LI. I got excited about it as soon as I read "SDN" there. That's because I did a PhD in 2022 on research topics related to SDN: https://utheses.univie.ac.at/detail/62431
However my work was about abstract combinatorial problems motivated by routing challenges and nothing directly applied or industrial. I'm familiar with basics such as network protocols and typical routing challenges and concepts including traffic engineering and failure handling.

I understand that the position is tailored for a "junior member". Despite that, I'm wondering if you would also need a more experienced helping hand to help you push things further and hopefully earn more customers. I've been a coder for most of my working life. I did some Java (mostly web) a long time ago and picking up the latest Java stack would be only a matter of short handson experience for me, e.g. by doing bug fix tickets.

Currently, I'm with IMS Nanofabrication in Vienna and already in the contract termination period. My contract will end at the end of June but probably I can end it in May when needed. The job was satisfying for most of the 1.5 years there but I feel it's time to move on and see more.

Work and Education

- *November 2023–June 2025.* IMS Nanofabrication, **Python**, **Test Software Developer**, ETL pipeline, Pytest, Polars, Numpy, Mongodb, Influxdb, Grafana, Docker, HPC etc.

- *September 2022–July 2023.* Salzburg Research Forschungsgesellschaft mbH, **Research Developer**, distrubuted energy management system, **Python**, Docker, RestAPI, FastAPI, OpenAPI, Grafana, InfluxDB

- *May 2022–August 2022.* Software Developer, Parity Quantum Computing GmbH, Innsbruck, **Python**, SOLID principles, contributed to a **QC compiler prototype**, left early because of the offer from SRFG

- *March 2018–December 2022.* **PhD:** Doktoratsstudium der technischen Wissenschaften, University of Vienna, supervised by Prof. Stefan Schmid, Thesis: Algorithms for Traffic Control Challenges in Softwarized Networks [1],

- *May 2017–February 2018.* PhD Fellow in Computer Science, Aalborg University, Denmark, Supervisor: Stefan Schmid (continued in Austria)

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[1]https://utheses.univie.ac.at/detail/62431

- *February 2014–October 2015.* **Backend Developer**, Doc Cirrus GmbH [2], Berlin, Germany, Role: developed backend services for a distributed medical office: **Node.js, Javascript** RestAPI, MongoDB, JQuery, Socket.io,...

- *2010–2012.* MSc in Computer Science, Sharif University [3], Tehran, numerous part-time dev jobs in the meanehile, Java, C++, C#, Javascript etc.

- *2004–2009.* BSc in Informatics, Kharazmi University [4], Tehran, Iran, numerous part-time dev jobs in the meanehile, Java, C++, C#, Javascript etc.

Tools and Concepts

- Python (advanced), C++1x (intermediate), Javascript, Node.js, Bash

- Pandas, Polars, Numpy, Mongodb, Influxdb, Docker, Grafana, (No)SQL

- Pycharm, IntelliJ IDEA, Pycharm, VSCode, LaTeX, Office tools, Linux, MacOS

- Asynchronous programming, concurrency, multi threading, parallel computing

- OOD, SOLID, Design Patterns, TDD, UML, Agile, Scrum, Jira, Gerrit, layered design, MVC

- Algorithms, Data Structures, combinatorial optimization, Machine learning basics

- Fluent English, Intermediate Deutsch (B1)

Motivational

I see myself as a natural developer and problem solver with above average capabilities, strong intuition, good grasp of fundamentals, and a practical sense for code and design smell. I started programming for a living two decades ago when I was a bachelor student in Tehran while going through a tough student life. The more professional agile experience started with the Berlin job (backend Node.js) which was my first time away from home and in Europe. At some point my passion and respect for theoretical computer science inspired me to do a PhD. It was satisfying although pragmatically foolish in retrospect. Afterwards, I decided to go back to the dev industry and earn more salary and further practical experience. Passion for genuine science work doesn't pay the rent.

What I'm offering?

- strong implementation experties and technical senses

- solid fundation in CS, mathematics, physics, and SE

- flexible adaptive mindset (shockingly rare in Europe)

- diverse techincal backround: from scentific to web developement x

- advanced English and technical writing skills

- eager to learn new tools and concepts quickly on demand

- passion for clean and accurate code, and for clean logical design

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[2] http://doc-cirrus.com
[3] http://ce.sharif.ir
[4] https://eng.khu.ac.ir/en

Expectations

I'd like to work with a flexible, creative, ambitious, respeceful team, ideally a truely international one with diverse experience. Above all, I value a healthy goal-oriented culture. I need a job that is mentally engaging. My expected salary starts at **60k**. The exact number depends on job details, office conditions, homeoffice/remote possibility etc.