

Hamid Damadi

Software Engineer

Multi-skilled and highly motivated Software Engineer, Mathematician, Researcher and, Technical Project Manager with over 7 years of experience in software development and artificial intelligence. Looking for opportunities in software development and AI projects.

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🐙 <https://gitlab.com/hamid.damadi>

WORK EXPERIENCE

Software Engineer

RahbaranIT

09/2024 – Present

Achievements/Tasks:

- Developed a web-based project as a Full Stack Developer using MERN stack.

Co-Founder and CTO of a Blockchain-Based Company

AvinAvisa

04/2020– 10/2023

Achievements/Tasks

- Managed end-to-end development for over 5 software projects, maintaining a 95% on-time delivery rate.
- Delivered more than six successful projects as a Full Stack Developer, improving client satisfaction scores by 30%.
- Optimized development processes, reducing project delivery timelines by 20%.

Technical Manager of Blockchain Lab at University

Amirkabir University of Technology (Tehran Polytechnic)

04/2018 – 04/2020

Achievements/Tasks

- Led the successful delivery of two blockchain projects, reducing operational inefficiencies by 25%.
- Designed two blockchain-based solutions, advancing lab research capabilities and securing a 15% increase in external collaborations.
- Expert in platforms including Bitcoin, Ethereum, Stellar, Hyperledger Fabric, Hyperledger Sawtooth, IOTA, and Hashgraph.
- Taught two courses, Blockchain and its Applications.

TECHNICAL SKILLS

- **Programming Languages:** Python and JavaScript (Node.js and React).
- **Software Development Tools:** Docker, VS, Git, Github and GitLab, and Trello.
- **Methodologies:** Scrum.
- **Testing Frameworks:** Mocha, Jest and Artillery.
- **Database Management Systems:** MongoDB.
- **ML Frameworks:** TensorFlow.

CERTIFICATES

- IBM Full Stack Software Developer Professional Certificate(IBM / Coursera). ([Link](#))
- IBM Full-Stack JavaScript Developer Professional Certificate(IBM / Coursera). ([Link](#))
- IBM Back-end JavaScript Developer Professional Certificate(IBM / Coursera). ([Link](#))
- IBM Front-End Developer Professional Certificate(IBM / Coursera).
- IBM Back-End Development Professional Certificate(IBM / Coursera).

PERSONAL PROJECTS

01/2023 – Present

Trader Bot

- Developed using the MERN stack (MongoDB, Express, React, Node.js).
- Automated trading system adaptable to various financial markets.

06/2023 – Present

Fun with AI (<https://hamiddamadi.ir/app>)

- Built using MERN stack and Python.
- Microservices project showcasing AI applications such as image recognition and NLP.

EDUCATION

09/2012 – 11/2017

PhD - Mathematics (GPA: 19.62/20)

Amirkabir University of Technology (Tehran Polytechnic)

01/2016 – 10/2016 Germany

Visitor

Universität des Saarlandes (Supervisor: Prof Frank Olaf Schreyer)

09/2010 – 09/2012

MSc - Mathematics (GPA: 17.8/20)

Amirkabir University of Technology (Tehran Polytechnic)

PUBLICATIONS

- Privacy-preserving joint data and function homomorphic encryption for cloud software services, IEEE Internet of Things Journal, 2023. ([10.1109/JIOT.2023.3286508](https://doi.org/10.1109/JIOT.2023.3286508))
- Smart Waste Management Using Blockchain, IT Professional, Volume: 23, Issue: 4, 2021. ([10.1109/MITP.2021.3067710](https://doi.org/10.1109/MITP.2021.3067710))
- Unirationality of the Hurwitz space $H_{\{9,8\}}$, Archiv der Mathematik, V.109, 511-519, 2017 (With F-O Schreyer). (<https://doi.org/10.1007/s00013-017-1095-3>)
- Smart Bin with Waste Composition Analysis using Federated Learning and Deep Learning, In preparation.

SKILLS

- Project Management | Distributed Ledger Technology (DLT)
- Software Development | AI and Machine Learning
- Teaching and Mentorship | Research and Technical Writing | Team Working
- Cryptography | Computational Algebra

LANGUAGES

- Azerbaijani (Bilingual)
- Persian (Bilingual)
- English (C1 - Level 5 of 6)
- German (B1 - Level 3 of 6)

REFERENCES

- Dr. Farhad Rahmati
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