Iman Shafiei Alavijeh

A Researcher, Technical Leader & Full-Stack Developer

Contact Info

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Education

M.Sc. in Computer Software Engineering   Sep 2020 – Present

Islamic Azad University - Science and Research Branch, Tehran, Iran

- ○ GPA (First year): 18.39/20
- ○ Thesis Title: Self-Admitted Technical Debt Detection and Effort Estimation with Machine Learning based approaches

B.Sc. in Computer Software Engineering   Sep 2015 – Apr 2020

Iran University of Science and Technology, Tehran, Iran

- ○ GPA (Last 4 semester): 16.43/20
- ○ Thesis Title: Design and Implementation of an ERP Software for Sales Management

Skills

Research
Applied Machine Learning • NLP • Cloud Computing • Information Retrieval • Software Engineering Concepts

Full-Stack Development
Python • DRF • Flask • Django • NuxtJS • VueJS • JavaScript • TypeScript • SOA • Microservices • DDD • MongoDB • Postgres • HTML5 & CSS3

Research Interests

- ○ Machine Learning in Software Engineering
- ○ Software Architecture
- ○ Domain-Driven Design
- ○ Object-Oriented Analysis and Design
- ○ Natural Language Processing

Honors and Awards

- ○ Awarded the best head of Scientific Student Association among all departments
  Iran University of Science and Technology, Tehran, Iran, 2017

- ○ Ranked within the top %0.4 among more than 180,000 participants in the nationwide university entrance exam for B.Sc.
  Iran, 2015

Language

Persian – Native

English – Full Professional Proficiency

Research Experience

- ○ **Self-Admitted Technical Debt Detection and Effort Estimation with Machine Learning based approaches**   Ongoing

- ○ **Finding Software Defects Based on Genetic Algorithm and Knowledge Graph**   Ongoing

Certifications

Natural Language Processing Specialization – deeplearning.ai   Ongoing
The course "NLP with Classification and Vector Spaces" is completed
Average Grade Achieved: %100

Machine Learning – Stanford University – Andrew NG   Sep 2021
Grade Achieved: %96.07

Text Retrieval and Search Engines – University of Illinois – ChengXiang Zhai
Grade Achieved: %86.12   Jun 2021

Cloud Computing Concepts – University of Illinois – Indranil Gupta   Jan 2021
Grade Achieved: 93.09%

Teaching Experience

Software Engineering Teaching Assistant   Fall 2017
Dr. Behrouz Minaei-Bidgoli undergraduate course

Software Engineering Teaching Assistant   Spring 2018
Dr. Mehrdad Ashtiani undergraduate course

Software Systems Analysis & Design Teaching Assistant   Fall 2017
Dr. Mehrdad Ashtiani undergraduate course

Developing Telegram Bots with Telepot and Python Workshop   May 2018
Iran PyCon

Full-Stack Web Development Workshop   Summer 2017 & Summer 2018
Iran University of Science and Technology

Selected Project Experience

EasyBot   Fall 2019
Done for Software Engineering Course by Dr. Mehrdad Ashtiani
Design and Analysis of the system based on best practices in an object-oriented paradigm.
It is a platform for automatically creating an online shopping bot in Telegram for
businesses.

Social Media service with live refreshing feature   Fall 2020
Internet Engineering course by Dr. Vesal Hakami
Developed by using long polling, SSE and web socket

Namak   Dec 2019 – Mar 2020
- Currently being used in 10 cafes and restaurants in Iran
- The only Iranian integrated application for managing cafes and restaurants
- Features include handling accounting, managing salon, employees, reservation

Naive Machine Translation and LSH   Oct 2021
NLP with Classification and Vector Spaces course by deeplearning.ai
Using NLTK, sklearn, pandas, scipy and numpy to develop a machine translation

Notable Courses   GPA 4/4

Object-Oriented Analysis & Design
• Internet Engineering • Software
Testing • Computer Networks •
Operating Systems • Software
Engineering • Systems Analysis &
Design

Selected Voluntarily Work

Computer Engineering Scientific Students' Association, Head of Association, Iran University of Science and Technology | 2017-2018

Iran PyCon, Head of Management Committee and Executive Committee, Iran University of Science and Technology | May 2018

Work Experience

TechMockInterview Canada   Apr 2020 – Present

Lead Software Developer

- Working with AWS services which are EC2, Cloud9, Cognito, CloudFront, IAM, SES
- Managing a technical team contains 2 developers
- Working with Nuxt.js for Front-End and DRF for Back-End
- Migrating from monolithic approach to micro-service architecture

Shahrnameh Iran   Jan 2021 – Present

Technical Lead

- Managing a team of 2 developers
- Using Service-Oriented architecture
- Managing AWS services like EC2, Route66, SES, S3
- Working with PostGIS for our map services
- Using Nuxt.js for Front-End and Flask for Back-End and MongoDB for database
- The platform is a social media service based on the map

Diagram Studio Iran   Apr 2020 – Dec 2020

Technical Lead

- Managed a team of 6 people with the Agile manifesto
- Worked on 4 different projects as a technical lead
- Designed & Analyzed new systems with Object-Oriented approach
- Used Domain-Driven design (DDD) in one of the projects

Medrick Iran   Dec 2019 – Mar 2020

Scrum Master

- Improved my skills as a scrum master
- Improved my management skills by managing artists, designers, and developers in 3 different projects
- Improved my soft skills

Porsline Iran   Oct 2017 – Apr 2018

Full-Stack Developer

- Worked with AngularJS and Django Rest Framework
- Worked with a team of 4 developers