Iman Shafiei Alavijeh

A Researcher and Full-Stack Developer

Education

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

Islamic Azad University Science and Research Branch, Tehran, Iran

- o   GPA (first two semester): 18.39/20
- o   Thesis Title: Working on Self-Admitted Technical Debt detection and effort estimation with machine learning approaches

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

Iran University of Science and Technology, Tehran, Iran

- o   GPA (last 4 semester): 16.43/20
- o   Thesis Title: Design and Implementation of an ERP software for managing sales

Research Interests

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

Honors and Awards

- ○ The best head of Computer Engineering Scientific Student Association among all departments of the university
  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

Research Experience

- ○ **Finding software defects based on genetic algorithm and knowledge graph**
                                                           Ongoing

- ○ **Improving SATD detection using BERT**   Ongoing

Contact Info

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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

Language

Persian – Native

English – Fluent

Certifications

Natural Language Processing with Classification and Vector Spaces Ongoing
By deeplearning.ai consists 4 weeks

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

Cloud Computing Concepts – University of Illinois – ChengXiang Zhai Jun 2021
Grade Achieved: 86.12%

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

Selected Project Experience

EasyBot Fall 2019

Design and Analysis the system based on best practices in object-oriented paradigm, A platform for creating online shopping telegram bot for businesses automatically, Software engineering course by Dr. Mehrdad Ashtiani

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

Namak Dec 2019 – Mar 2020
- Using in 10 cafes and restaurants in Iran
- The only Iranian application which is one app at a time for managing cafes and restaurant
- Handling accounting, managing salon, managing employees, reservation, etc

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

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 memebr, 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

Diagram Studio Iran   Apr 2020 – Dec 2020

  Technical Lead
    - Managing a team of 6 people with the Agile manifesto
    - Working on 4 different projects as a technical lead
    - Design & Analysis the new systems with Object-Oriented approach
    - Using 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 handling artists, designers and developers in 3
    different projects
    - Improved my soft skills

Porsline Iran   Oct 2017 – Apr 2018

  Full-Stack Developer
    - Working with AngularJS and Django Rest Framework
    - Working with a team of 4 developers