

Afshin Mehrabani

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SUMMARY

Afshin is a software engineer and an open-source enthusiast. He started with programming and PHP web development when he was 12 years old. Later, he entered the Iran Technical and Vocational Training Organization. He was ranked first and has also bagged a golden medal in a competition on web development in his country. He is an active OSS contributor and maintainer of various open-source projects.

EXPERIENCE

• Etsy

Dublin, Ireland

Senior Software Engineer II, Etsyweb Modularity

December 2021 - Present

- **Modularization:** Converting the existing monolith codebase into modular monolith to establish bounded context by segmenting code into individual modules
- **Code Complexity:** Development of tools and pipelines to measure the code complexity of git branches. Took advantage of Google Data Studio and Grafana for visualization

Senior Software Engineer I, Dev Platform

August 2018 - December 2021

- **Dev Environment:** Design and development of a containerised Dev Environment solution using Docker, Python 3 and CentOS 7.
- **Documentation as Code:** Led, architected and participated in the design and deployment of a Documentation as Code project
- **BigQuery plugin for Grafana:** Design and development of a BigQuery plugin for Grafana using Golang and TypeScript
- **Infrastructure as code:** Development of a IaC pipeline using Jenkins, Cloud Build and Terraform.

Senior Software Engineer I, Provisioning

August 2018 - March 2020

- **Developer VM self-service tool:** Design and development of a self-service tool to manage Developer VMs (Python 3, TypeScript, Docker)
- **Google Cloud Migration:** Used Terraform and Chef to migrate tools including Cobber, Koji and Dev VMs to Google Cloud from our on-prem datacenters

• AYLIEN

Dublin, Ireland

Software Engineer

May 2015 - August 2018

- **Text Analysis Platform:** Design and development of a web-based platform to build custom Natural Language Processing models (Python 3, MySQL, Elasticsearch, React)
- **News API:** Contributed to the News API project which provides a RESTful API to search and retrieve news articles from the database (Ruby, MySQL, Solr)
- **SDK:** Maintenance of the open-source SDKs for the News API and NLP API projects

• Yara Information Technology

Senior Software Engineer

March 2013 - May 2015

- **RESTful Game API:** Developed RESTful APIs and a bidirectional socket server for an online multi-player game using ASP.Net C# / .NET framework 4.x
- **Event management platform:** Designed and developed an event management platform in Python 2.x (Django) and the client-side using Angular.js

• Asa Co

Software Engineer

February 2012 - April 2013

- **Stock trading platform:** Developed and implemented a web-based stock trading platform. Design and development of RESTful APIs in C# and the web-based interface using Angular.js and ExtJS

• Tadbir Pardaz

Software Engineer

May 2010 - April 2012

- **Web-based stock trading platform:** Contributed to a web-based trading platform. This was a large-scale project in C#. Also developed the server-side part of the stock trading mobile app
- **Real-Time quotes:** Development of a realtime stock market ticker board using WebSocket, HTML5 and JavaScript

EDUCATION

- **Technological University Dublin** Dublin, Ireland
Master of Science in Computer Science; Upper Second Class (2.1) *Aug. 2016 – Dec. 2020*
- **Tehran Rayane'e University** Tehran, Iran
Bachelor of Engineering in Information Technology; First Class Honours (16.66/20) *Aug. 2008 – July. 2012*

PROJECTS

- **Grid.js:** <https://gridjs.io>, Advanced Table plugin based on TypeScript
- **Intro.js:** <https://introjs.com>, Popular open-source JavaScript library to create step-by-step tours and guides
- **Juggernaut:** github.com/afshinm/juggernaut, A neural network written in Rust that compiles to Web Assembly and can run in the web browser
- **PublicAPI.dev:** <https://publicapi.dev>, A free directory of public APIs for software, mobile and web development use

HONOURS

- **Web Design Competition - 1st place, Gold medalist** WorldSkills
Iranian National Skills competition, Web Design using PHP, MySQL, Apache, JavaScript and HTML5 *Apr. 2009*
- **Youth Kharazmi Programming Competition - 4th place** Kharazmi
Youth Kharazmi competition in Programming with PHP and C# *Mar. 2008*
- **Speaker at Mozilla WebMaker 2014** Mozilla
Mozilla Webmaker event in Iran *Sept. 2014*
- **Speaker at Open Web Platform Conference 2013** Open Web Platform
New HTML5 features, Web Storage and how to spin up threads in web browsers *Oct. 2013*

PROGRAMMING SKILLS

- **Languages:** Python, PHP, TypeScript, JavaScript, SQL **Technologies:** GCP, Terraform, Linux, React