

Afshin Mehrabani

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SUMMARY

Afshin is an experienced Software Engineer with years of hands-on experience in developing and maintaining a wide range of enterprise-level projects. Possessing a solid understanding of various programming languages and technologies, including Python, PHP, JavaScript and TypeScript. Strong ability to design and implement efficient and scalable solutions while adhering to industry standards and best practices.

EXPERIENCE

- **Microsoft** Dublin, Ireland
Software Engineering IC3 *April 2023 - Present*
 - **.NET 6 Migration:** Led the migration of Answers platform to .NET 6 technology stack
- **Etsy** Dublin, Ireland
Staff Software Engineer I, Etsyweb Modularity *April 2023 - April 2023*
 - **Modularization:** Worked on modularizing the Etsy.com codebase which is a monolithic codebase, resulting in increased efficiency and scalability for the company's core product. Worked with the team to implement a modular architecture and refactored code to improve maintainability and ease of collaboration for development team

Senior Software Engineer II, Etsyweb Modularity December 2021 - April 2023

 - **CSS pipeline modernization:** Revamped the company's CSS pipeline to improve the maintainability of the Etsy.com codebase. Utilized latest technologies and industry standards, including A/B testing to ensure minimal performance impact. This resulted in streamlined development workflow and a better user experience
 - **Multi-variant Deployment:** Implemented multi-variant deployment strategy for Etsy, allowing for efficient rollout of new features and improved testing capabilities. This resulted in faster delivery of features and improved time to market
 - **Modularization:** Worked on modularizing the Etsy.com codebase which is a monolithic codebase, resulting in increased efficiency and scalability for the company's core product. Worked with the team to implement a modular architecture and refactored code to improve maintainability and ease of collaboration for development team
 - **Code Complexity:** Implemented a code complexity measurement tool to improve the maintainability and scalability of the company's codebase. This involved analyzing and identifying areas of the codebase that needed refactoring, and working with the development team to make the necessary improvements

Senior Software Engineer I, Dev Platform *August 2018 - December 2021*

 - **Dev Environment:** Led the development of a containerized development environment, resulting in more efficient and consistent software development at Etsy
 - **Documentation as Code:** Led, architected and participated in the design and deployment of a Documentation as Code at Etsy
 - **BigQuery plugin for Grafana:** Developed a BigQuery plugin for Grafana using Golang and TypeScript, which allowed for easy visualization and analysis of large datasets
 - **Infrastructure as code:** Implemented Infrastructure as Code pipelines and best practices, allowing for more efficient and automated management of the company's Infrastructure

Senior Software Engineer I, Provisioning *August 2018 - March 2020*

 - **Developer VM self-service tool:** Developed a self-service tool for developers using Python and TypeScript, which allowed them to provision and manage their own virtual machines
 - **Google Cloud Migration:** Worked on the migration of Etsy's infrastructure to Google Cloud, resulting in improved scalability and cost-efficiency. Involved in designing and implementing migration strategy using Terraform and Chef, as well as managing the migration process and ensuring minimal disruption to ongoing operations

- **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** *March 2013 - May 2015*
Senior Software Engineer
 - **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** *February 2012 - April 2013*
Software Engineer
 - **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** *May 2010 - April 2012*
Software Engineer
 - **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 Stock market board:** Development of a real-time 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

HONOURS

- **Web Design Competition - 1st place, Gold medalist** WorldSkills
Iranian National Skills competition, Web Design using PHP, MySQL, Apache, JavaScript and HTML5 *Apr. 2009*
- **Speaker at Mozilla WebMaker 2014** Mozilla
Mozilla Webmaker event in Iran *Sept. 2014*
- **Speaker at Open Web Platform Conference 2013** Open Web Platform
Modern 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