Amir Mahdi Sedghi
Medior Software Enginner

I am currently employed as a Medior Software Engineer while pursuing my studies. My primary expertise lies in web software development. Along this path, I have delved into areas such as networking, DevOps, network security, and more. My interests lie in advancing my current skill set, aiming to become a Senior Programmer. Additionally, I am eager to venture into the fields of Machine Learning and Artificial Intelligence.

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📍 Isfahan, Iran

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SKILLS

- PHP & Laravel
- JS & Alpine.js & Tailwind
- SQL Databases
- Linux
- Docker
- Git
- CI/CD
- TDD
- Scrum
- Design Patterns
- Python
- NLP

LANGUAGES

Persian
Native or Bilingual Proficiency

English
Limited Working Proficiency

INTERESTS

- Web Development
- ML
- DevOps
- NLP
- CyberSecurity
- Solve Challenges

WORK EXPERIENCE

Medior Software Enginner
Zaman Tech
02/2022 - Present   *Tehran, Iran (remote)*

Zaman Tech assists businesses addressing complex problems with technology solutions and creating software.

Participated projects

- Digiyara **(As A Front-End Developer Using JS, Alpine.JS, TailwindCSS And Blade)**
- Mehrta Academy's Upload Center **(As A Full-Stack Developer Using Laravel & Alpine.JS)**
- Several other web-based management applications.

CERTIFICATES

Laravel Framework (12/2022 - 12/2022) ↗

PERSONAL AND ACADEMIC PROJECTS

Chortkeh (03/2023 - Present) ↗
- I collaborated as a Laravel developer on a web application designed for managing debts and credits among friends. The project, developed using React and **Laravel**, incorporates **REST API** and employs design patterns like **Service** and **DTO**. Challenges included working with REST API, **integrating with an SMS service**, and **designing a streamlined database with minimal redundancy**.

Implementation of a system equipped with IDS, IPS, SIEM (10/2023 - 11/2023)
- As part of a Network Security course project, a system equipped with **IDS** (Intrusion Detection System) and **IPS** (Intrusion Prevention System) was implemented to effectively identify and prevent attacks and threats. **Crowdsec** was employed as the IDPS software in this project.
- Additionally, by integrating the system with **Splunk** software, event management and reporting capabilities were enhanced. Moreover, the IDPS system was connected to it to equip the final system with **SIEM** (Security Information and Event Management) functionality.

NLP project (10/2023 - 01/2024)
- This project is related to the Natural Language Processing (NLP) course and includes tasks such as **preprocessing textual data**, **spell correction**, and **classifying textual data**.
- In the preprocessing of textual data, techniques such as **tokenization**, counting the frequency of tokens, and using the **Porter** algorithm for text **stemming** have been employed.
- For spelling error correction, a **Noisy Channel** model and the minimum edit distance algorithm (**Levenshtein distance**) have been utilized to detect and correct spelling errors in the given text.
- In the text data classification section, the **Naive Bayes machine learning algorithm** has been used to classify texts from the 20 news group dataset.

EDUCATION

Bachelor Of Computer Engineer
Shahid Chamran University Of Ahvaz ↗
09/2020 - 09/2024   *Iran, Ahvaz*

Courses

- **Natural Language Processing Project**
- **Network And Network Security**
- **Design Databases**
- **Software Engineering**