Amir / Amirhosein Ghorbani [amir4vx@gmail.com](mailto:amir4vx@gmail.com)

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**Technology & Ability**

• Python, Django, DRF • Redis, RabbitMQ • Git, Workflows, CI/CD

• Containerization, Docker • Microservice, API design • Software Engineering

• Problem Solving, Critical Thinking • Communication, Collaboration • SQL, NoSQL, PostgreSQL, MongoDB

**Experience**

**\* Software Engineer (Django Backend Developer)** - Amirkabir University 06/2023 - 05/2024

* **Portal**

The portal is a multifaceted system for managing company resources and employees. It provides various services for employees to carry out projects, including sections for task management, attendance, reports, privileges, and management. In this project, my main responsibilities include adding new features, fixing bugs, and improving and optimizing the code and the different sections and their interactions.

* **The official website of AISM (Advanced Industrial Systems and Mechanisms)**

The official website of Advanced Industrial Systems and Mechanisms (AISM) manages news, products, and registration for students, professors, artisans, and researchers. I solved problems, created bilingual pages, added media, and organized announcements. I also developed proposal sections, approval processes, and user registration/login, highlighting my key role in improving the site's functionality and accessibility.

* **General Service Provider**

This project involves creating a service provider-receiver system with features like financial management, services, sub-services, categories, messaging, support, search, and maps. The project is outsourced and continuously updated. My role includes testing, reviewing, reporting updates and bugs, integrating new code, ensuring necessary settings, verifying updates, and handling documentation for the code and other project parts.

* **National HER (Electronic Health Record)**

This ongoing project implements an EHR system per ISO-13606 and OpenEHR standards, storing and displaying data in a specialized format. My responsibilities include implementing the database and display format, applying filters for extensive data, and developing microservices for authentication, validation, and access. I ensure the viewer displays medical files, health characteristics, visits, drugs, and insurance information.

**\* Backend Developer** - Freelance and others 10/2018 - 05/2023

### Freelance e-learning (LMS) website

Designed and built a comprehensive e-learning platform using Laravel, incorporating user authentication, course management, and interactive features. Implemented RESTful APIs and ensured responsive design for an optimal user experience across devices.

### Freelance computer accessories store

Created an online store for computer accessories using ASP.NET MVC, focusing on a robust and scalable architecture. Integrated payment gateways and optimized the database for fast and secure transactions.

### Internship at Technical and Vocational University

Developed web applications using Python and Django, and implemented web crawling scripts to gather data for research. Conducted research on educational systems and used findings to enhance the university’s digital resources.

**Education**

**Bachelor's Degree, Software Engineering** -Shamsipour Technical and Vocational 2019 – 2022

**Associate's Degree, Software Engineering** -Shamsipour Technical and Vocational 2017 – 2019

**Skills**

* Have strong communication skills, analytical and problem-solving skills, the ability to work independently and I love teamwork
* Software engineering skills including experience of a modern agile development workflow using Git, unit testing and CI/CD
* Strong programming skills and experience with Python; Proficient in libraries such as sklearn, numpy, pandas, matplotlib, and seaborn, with a solid understanding of machine learning concepts and pre-processing techniques
* Excellent understanding of computer science fundamentals, data structures, and algorithms; Strong programming skills
* Strong time management skills with the ability to prioritize and contribute to multiple assignments simultaneously

Dear [Recipient's Name],

I am writing to express my interest in the [Job Title] position at [Company's Name] as advertised on [Job Board/Company Website]. With a robust background in software engineering, particularly as a Django Backend Developer at Amirkabir University and extensive freelance experience, I am excited about the opportunity to contribute to your team.

In my recent role at Amirkabir University, I successfully managed several high-impact projects. For the Portal project, I was instrumental in enhancing the system's capabilities, optimizing code, and ensuring smooth interactions between different sections. My work on the AISM website involved not only technical problem-solving and feature development but also making the site bilingual and enhancing its user interface with media and interactive features.

I also contributed significantly to the General Service Provider project, where I was responsible for the continuous integration of updates, meticulous testing, and detailed documentation. In the ongoing EHR project, my focus has been on implementing an ISO-13606 and OpenEHR compliant database, developing microservices for secure data access, and ensuring an efficient and user-friendly data viewing experience.

Prior to my tenure at Amirkabir University, I gained valuable experience as a freelance backend developer. I designed and implemented an e-learning platform using Laravel and developed an online store with ASP.NET MVC, emphasizing scalability and secure transaction handling. My internship at the Technical and Vocational University provided me with foundational skills in Python and Django, which I utilized to develop web applications and conduct impactful research.

My educational background includes a Bachelor’s and an Associate’s degree in Software Engineering from Shamsipour Technical and Vocational, where I honed my programming skills and gained a solid understanding of computer science fundamentals. I am proficient in Python and its libraries, and I have a comprehensive grasp of machine learning concepts and data pre-processing techniques.

I possess strong communication and problem-solving skills, a keen analytical mind, and the ability to work both independently and collaboratively. My experience with modern agile development workflows, including Git, unit testing, and CI/CD, ensures that I can contribute effectively to your development processes.

I am excited about the prospect of bringing my unique blend of skills and experience to [Company's Name]. Thank you for considering my application. I look forward to the opportunity to discuss how my background, skills, and enthusiasms align with the goals of your team.

Sincerely,

Amir / Amirhosein Ghorbani

amir4vx@gmail.com