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About Me

Starting my career over **4 years** ago as a **Backend Developer** and over **3 years** as a **Software Engineer** specializing in **Python Django**, I completed a valuable internship where I gained hands-on experience and refined my skills in handling development challenges in production environments. Building on this foundation, I continued to **lead teams**, coordinate **meetings to resolve issues**, and ensure smooth project delivery. As I progressed, I expanded my expertise beyond backend development, delving into mobile development. Driven by a passion for innovation, I also ventured into artificial intelligence, focusing on **Machine Learning (ML)** and **Deep Learning (DL)**. I have since integrated AI technologies, including OpenAI and Gemini, into my backend projects, combining these advanced capabilities with my technical and leadership skills to deliver impactful solutions.

Work Experience

Medical Toxicology

Tucson, Arizona, United States

CTO & Software Engineer & DevOps & Project Manager

Aug 2023 - Present

At our company, we integrate cutting-edge artificial intelligence to tackle complex medical challenges, with a focus on toxicology. By harnessing AI, we are developing innovative services that enhance toxicological assessments, predictions, and decision-making processes. Our expert technology team, which I lead, is dedicated to creating advanced solutions that bridge the gap between healthcare and AI, ensuring our clients receive the most precise and reliable insights. Through a combination of technical expertise and a deep understanding of medical science, we are setting new standards in the field of medical toxicology.

Freelancer

Backend Developer & Mobile Developer

Feb 2022 - Mar 2024

As a freelance backend developer, I specialize in creating robust and scalable applications using a comprehensive tech stack, including Python, Django, Django REST Framework, Celery, PostgreSQL, Redis, and Docker. I have successfully delivered projects across various domains, focusing on building high-performance APIs and implementing asynchronous task management systems using Celery and Redis. With Docker, I ensure consistent and efficient deployment across different environments, enabling seamless scalability and reliability. Additionally, I collaborate with front-end teams using Flutter to provide full-stack solutions that integrate smoothly between backend and client-side components, always aiming for secure, maintainable, and efficient architectures tailored to specific project needs.

ArashWeb LLC

Backend Developer Intern

Jan 2022 - Feb 2022

At ArashWeb LLC, I began my journey as a backend development intern, where I had the opportunity to work with a wide range of technologies, including Django, Django REST Framework, Celery, PostgreSQL, Docker, and Redis. During my internship, I gained hands-on experience and deepened my knowledge of building scalable and efficient backend systems. One of my key achievements was completing the backend development for QOK, an online mobile game. This project allowed me to apply the skills I acquired and contribute to a real-world product, marking a significant milestone in my development career.

Skills

Hard Skills:

Languages:

- Python
- Golang
- Javascript

Frameworks:

- Django
- Django Rest Framework
- Flask
- FastAPI

Message Brokers:

- Redis
- RabbitMQ

Artificial Intelligence:

- Machine Learning
- Deep Learning

DevOps:

- Docker
- Docker Compose
- Nginx
- CI/CD
- Linux (Ubuntu)

Databases:

- PostgreSQL
- MySQL
- Redis

Other:

- Git
- HTML/CSS
- Bootstrap 5
- JQuery

Soft Skills:

- Team Working
- Time Management
- Problem Solving
- Trustworthy
- Responsibility
- Good Listener

Familiar with:

- Node.js / Express.js
- React.js
- Next.js
- Dart / Flutter

Education

Quchan University

Bs.c. in Computer Engineer

Sep 2020 - Feb 2025

Azad University

Master of Computer Engineer (Software Engineering)

Feb 2025 - Present

Languages

English - Advanced

Certificates

Machine Learning Course

- This course lasts 9 months, during which practical projects are completed and new algorithms are learned. Degrees are awarded based on the points received.
- IMT College

Deep Learning Course

- This course lasts 6 months, during this course we learn the basic concepts of deep learning and neural networks to advance them. Also, we learn about different neural network architects and how to create a custom neural network.
- We get certificates and scores based on the projects that we submit.
- IMT College (Not finished)

Projects

Persian OCR App

- It was developed by three stacks: a backend developer, a mobile developer, and an AI engineer.
- We built our custom neural network model to recognize and return the alphabet.
- Skills: Teamwork - Python - Django - RestAPI - Message Broker - Opencv - Tensorflow

FaceCheckIn

- An attendance system was developed using Raspberry Pi and Django for cloud functionality and data visualization in a mobile application for users and a web dashboard for the superuser. AI was used to detect faces and sentiments and then match them to the nearest face in the database.
- It was developed by four stacks: a backend developer, a mobile and frontend developer, a hardware developer, and an AI engineer.
- Skills: Teamwork - Python - Django - RestAPI - Message Broker - Opencv - PyTorch - PostgreSQL - Docker

Book Store Mobile Application

- Developed mobile and backend side using Flutter and Django Rest Framework.
- You can sign in to your account with a mobile app and if you have superuser access, you can add new books to sales, if you are a customer, you can select a book and add it to your cart then pay that.
- Skills: Python - Django - RestAPI - Message Broker - Dart - Flutter - PostgreSQL - Docker

Scheduling University Classes

- Developed for Quchan University.
- Management classes, lessons, master's information.
- The system assigns all lessons to classes automatically and also superusers and admins can change the place of lessons manually.
- There is a section to upload your lessons and classes in Excel to import your data.
- Skills: Python - Django - RestAPI - Message Broker - PostgreSQL - Docker

RentCar Project

- Developed a system where you can add your car for renting and other people can check and rent it.
- There is a panel for superusers that can submit requests to add a car and you can see a report of the site in several charts.
- Skills: Python - Django - RestAPI - Message Broker - PostgreSQL - Docker

Medical Toxicology System

- Developed a system containing a Landing and Dashboards.
- There are five types of access for users: Superuser, Admin, SEO Manager, Staff, and Normal user. There is a dashboard for each user's type.
- Users can put their Blogs and Case Studies. Also, they can buy the services that we provide for them.
- This system contains microservices like: Auth, CoreLogic, Management, CMS, and Support. All services are connected to Auth and CoreLogic services for authentication and user data.
- Skills: Python - Django Rest Framework - Docker - Docker-Compose - Celery - Celery Beat - Redis - Google Service - PostgreSQL - Microservices -

MedSpeech Service

- Developed a system containing a Landing and Dashboard for the Medical Toxicology company.
- A system where you can upload your medical voice and get transcribed text with additional features.
- Skills: Python - Django Rest Framework - Docker - Celery - Celery Beat - Redis - PostgreSQL - Microservice - OpenAI - Gemini API