

# Mahdi Pourkeshavarz

## Software Engineer

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[LinkedIn](#) | [Portfolio](#)

### PROFESSIONAL SUMMARY

A results-driven developer with 3+ years in full-stack web development and a unique background spanning 4+ years in AI data management. Proven ability to lead technical teams, having managed over 20 specialists in 30+ complex AI projects. Recently spearheaded the creation of a new Quality Assurance division, developing testing protocols from the ground up. An enthusiastic mentor dedicated to fostering team growth and leveraging advanced skills in JavaScript, TypeScript, Node.js, and React to build high-quality, scalable applications.

### EMPLOYMENT

#### Software Developer (Front-End), horizon, Tehran, IR

Aug 2023 - Feb 2025

- Enhanced the performance of specialized geodesy web applications by 15% by migrating map-based features to the MapLibre library.
- Architected and deployed a full-stack employee time management system using MUI components, which integrated with physical time-tracking hardware. This initiative reduced administrative paperwork by 60% and ensured accurate, timely payroll processing.
- Developed a responsive and user-friendly interface for an AI-powered image analysis tool, enabling users to more effectively visualize and identify detected changes.

#### Software Test Specialist, Horizon

Jan 2025 - Jul 2025

- Spearheaded the establishment of the company's first formal Quality Assurance (QA) team
- Developed and implemented comprehensive testing methodologies and created all necessary project documentation

#### Data Annotator Specialist, Horizon

Sep 2019 - Aug 2023

- Led a team of over 20 data specialists across more than 30 distinct AI projects, ensuring high-quality data output
- Oversaw the production of diverse, pre-processed, and labeled datasets, including audio, text (NLP), time-series, and aerial/ground imagery

### PROJECTS

#### IoT Data Management System with RabbitMQ Integration

Aug 2025

Developed a NestJS application that processes x-ray data from IoT devices using RabbitMQ, stores processed information, and provides API endpoints for data retrieval and analysis.

link:<https://github.com/MahdiPourkeshavarz/xray-api>

#### DishDash: A Geo-Social Food Discovery Platform (Frontend)

Developed a dynamic and responsive App using Next.js, TypeScript, and Tailwind CSS to create a map-based social platform for food discovery. The application's core is an interactive map built with React-Leaflet, featuring a live Point of Interest (POI) layer fetched from OpenStreetMap and dynamic clustering of user-generated posts.

Link: <https://dishdash-map.vercel.app/>

#### DishDash API: A Modular & Secure NestJS Backend

Engineered a secure, scalable, and modular backend API using NestJS, TypeScript, and TypeORM to serve as the central data and logic hub for the DishDash web and mobile applications. The API is connected to a MongoDB Atlas database and features a clean, feature-based architecture with distinct modules for authentication, user profiles, posts, and interactions.

Link: <https://github.com/MahdiPourkeshavarz/dishdash-api>

#### Gadgethub - An Spectacular E-commerce Web App(Front-end)

Developed a sleek, user-friendly interface with React and TypeScript, inspired by Apple's design language. Features include user authentication, product browsing, and a complete admin panel for managing products and orders.

Gadgethub API - An Spectacular E-commerce Web App (Back-end)

Built a secure and scalable backend using NestJS and TypeScript, featuring robust logic and database management.

CERTIFICATIONS

EF SET English Certificate 75/100 (C2 Proficient)

EF SET

Introduction to Software Engineering

Aug 2025

IBM

Front-end (JS + React) Developer

Maktab Sharif

Introduction to Front-end Development

Sep 2025

Meta

Design Thinking for Innovation

Aug 2025

University of Virginia Darden School of Business

Introduction to Trading and Portfolio Management

ITPM

EDUCATION

Bachelor of Engineering - BE, Islamic Azad University

Jan 2015 - Jan 2020

Electrical and Power Transmission Installation/Installer, General

Bachelor of Applied Science - BASc, enghelab-e eslami technical college of tehran

Electrical and Electronics Engineering

SKILLS

Agile



Test Methodologies



JavaScript



Python



Git, Github, Gitlab



LANGUAGES

Arabic



Farsi



German



English

