

JIANTAO SHEN

Backend-focused Software Developer | C#/.NET | Python

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PROFILE

Backend-focused software developer with an M.Sc. in Engineering (Robotics) and practical experience in C#/.NET, ASP.NET Core, PostgreSQL and Python. I have built APIs, authentication and authorization, automation, and deployed applications. I also work with React/TypeScript when needed and continue developing practical experience with AI-enabled applications.

SKILLS

Backend & API

C#, .NET, ASP.NET Core, EF Core, REST API, ASP.NET Identity, JWT

Data & cloud

PostgreSQL, SQL Server, Neon, Azure, Firebase, Google Cloud, Docker

Python, automation & AI

Python, Playwright, Ollama, TensorFlow, PyTorch

Frontend & tools

React, TypeScript, JavaScript, Vite, React Router, Tailwind CSS, Git/GitHub

SELECTED PROJECTS

LightManager - Project and task management system 2026

C# · ASP.NET Core · EF Core · PostgreSQL · React · TypeScript · Microsoft Azure

- Built an ASP.NET Core Web API with ASP.NET Identity, JWT, role-based authorization and PostgreSQL/EF Core for users, projects, memberships and tasks.
- Deployed the frontend to Azure Static Web Apps and the backend to Azure App Service, using Neon/PostgreSQL as the database.

[GitHub](#) · [Live demo](#)

Price Watch - Local price monitoring system 2026

C# · ASP.NET Core · .NET 10 · Python · Playwright · React · TypeScript

- Developed a system where ASP.NET Core acts as the orchestration layer and Python/Playwright handles browser automation, price extraction and validation.
- Implemented scheduled and manual runs, price history, email alerts, diagnostics and protection against overlapping processes; runs locally with Windows Task Scheduler.

[GitHub](#)

EDUCATION

AI Programmer (vocational training), Lexicon AB Remote Mar 2026 - Present

Web applications, backend/API development, cloud services and AI-related programming.

Employment preparation & language studies Jul 2024 - Mar 2026

Participated in employment-focused activities and strengthened Swedish and English communication skills.

M.Sc. in Engineering, Robotics, Mälardalen University Västerås Sep 2019 - Jul 2024

Thesis project: Radar-based hand gesture recognition with Python, TensorFlow and CNN; 95% classification accuracy and approximately 25 ms prediction time.

Thesis: Implementation of Machine Learning Algorithm for Radar-Based Hand Gesture Recognition

LANGUAGES

Chinese · Swedish · English