

HARSH GAJJAR

Software & AI Engineer • Full-Stack Developer

FULL-STACK WEB • SOFTWARE • AI

Portfolio

A selection of software, web, mobile, API, database, automation, and AI-focused development work. This portfolio is designed as a client-facing overview; project names and descriptions can be adjusted to match publicly shareable work and confidentiality requirements.

Core Capabilities

Full-Stack Development	Web applications, business systems, dashboards and SaaS solutions
Backend & APIs	REST APIs, authentication, integrations, business logic and secure data access
Mobile Development	Cross-platform mobile applications and mobile-first business workflows
Database Engineering	PostgreSQL and relational database design, queries and integration
AI & Automation	AI-powered parsing, document processing, intelligent features and workflow automation
Maintenance & Optimization	Bug fixing, performance improvements, refactoring and production support

01 POS & Retail Management Mobile Application

A mobile business application focused on POS and retail workflows, designed to connect users with store data and business operations through secure APIs.

- Mobile UI and navigation
- Store selection and user authentication
- Dashboard and sales workflows
- Barcode scanning and item lookup
- Urgent notification system
- API integration and token-based authentication

Technologies: .NET MAUI / Blazor Hybrid • C# • REST APIs • PostgreSQL

02 Invoice Parsing & Data Extraction System

A document-processing solution for extracting structured information from invoices and converting it into usable business data.

- PDF/image processing
- OCR-based text extraction
- Invoice format parsing
- Product/item mapping
- Fallback parsing workflows
- Excel export for business use

Technologies: C# / .NET • Tesseract OCR • PDF processing • ClosedXML • REST APIs

03 Business Management & POS API Platform

Backend services supporting mobile and business applications with store, user, item, sales and configuration-related data.

- REST API development
- Authentication and authorization
- JSON request/response models
- Database integration
- Business validation
- Multi-version API support

Technologies: .NET Web API • C# • PostgreSQL • JWT • JSON

04 Admin Dashboards & Business Applications

Responsive dashboards and business interfaces designed to present operational information clearly and allow users to manage application data.

- Responsive UI
- Dashboard components
- Forms and validation
- Data tables and filters
- API-connected pages
- Create/update workflows

Technologies: Blazor / Web UI • C# • REST APIs • Database integration

05 AI-Powered Application Concepts & Integrations

AI-focused application work aimed at improving user productivity through intelligent processing, translation, automation and application assistance.

- AI API integration
- Document understanding
- Language/translation workflows
- Automation concepts
- Structured AI responses
- Mobile-first user experiences

Technologies: AI APIs • .NET / React Native concepts • REST APIs • JSON

Technology Stack

Languages	C#, JavaScript, TypeScript, SQL
Frontend	Blazor, React / React Native, responsive web UI
Backend	.NET, ASP.NET Core, REST APIs, JWT authentication
Databases	PostgreSQL, relational database design and integration
Mobile	.NET MAUI, Blazor Hybrid, React Native
AI & Data	AI API integration, OCR, document parsing, JSON processing
Tools & Libraries	Tesseract OCR, ClosedXML, PDF/document processing libraries

Why Work With Me

- ✓ 5 years of professional software development experience.
- ✓ Strong focus on practical, production-ready solutions.
- ✓ Experience across web, backend, mobile, databases and AI integrations.
- ✓ Clean, maintainable and scalable development practices.
- ✓ Clear communication, regular progress updates and structured delivery.
- ✓ Comfortable working on both new products and existing applications.

Typical Client Projects

- Business websites and responsive web applications
- Custom software and internal business systems
- POS, inventory and retail applications
- SaaS products and admin dashboards
- REST API development and third-party integrations
- Mobile applications for Android and iOS
- AI-powered features and automation
- Invoice/document processing and data extraction
- Bug fixing, modernization and performance optimization

LET'S BUILD SOMETHING GREAT TOGETHER

Have an idea, existing application, or business process that needs a better solution? Let's discuss the requirements and build a reliable digital product.