

Otar Piroshmanashvili

.NET Software Developer

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PROFESSIONAL SUMMARY

Results-driven .NET Software Developer with hands-on experience building enterprise banking applications using Clean Architecture and CQRS/MediatR patterns. Proficient across the full stack with C#, ASP.NET Core, Entity Framework Core, and Angular. Fluent in five languages and passionate about writing clean, maintainable, production-grade code.

EXPERIENCE

.NET Software Developer

2023 – Present

Andersen · Tbilisi, Georgia

- Building features for a multi-repo banking platform using Clean Architecture, CQRS, and MediatR in .NET / ASP.NET Core.
- Implemented account management modules (current & savings accounts) end-to-end — commands, handlers, validators, and repository layer.
- Developed Angular frontends consuming RESTful APIs; applied Tailwind CSS for styling.
- Collaborated in a Git/GitLab workflow with code reviews, feature branching, and CI pipelines.
- Studied and applied SOLID principles, GoF design patterns, and DDD concepts daily.

Technical Support Specialist

2022 – 2023

Bank of Georgia · Tbilisi, Georgia

- Diagnosed and resolved infrastructure and software incidents across banking systems, maintaining high availability for internal and customer-facing services.
- Wrote and executed SQL queries to locate, audit, and manipulate records in production databases, supporting incident investigation and data reconciliation workflows.
- Identified data inconsistencies and anomalies by cross-referencing multiple database tables, enabling faster root-cause analysis for recurring system issues.
- Collaborated with development and operations teams to escalate and document bugs, contributing structured reproduction steps and relevant database evidence.
- Gained hands-on exposure to enterprise-grade MSSQL environments, stored procedures, and transactional data integrity within a regulated financial institution.

EDUCATION

Bachelor of Science — Computer Science

2021 – 2025

University · Tbilisi, Georgia

- Core focus: discrete mathematics, linear algebra, algorithms & data structures.
- Active study of software architecture, design patterns, and distributed systems.

.NET Development Bootcamp

2024 – 2025

CommSchool · Tbilisi, Georgia

- Intensive hands-on program covering C#, ASP.NET Core, Entity Framework Core, Clean Architecture, and REST API development.

TECHNICAL SKILLS

Languages	C#, Python, TypeScript / JavaScript, SQL
Backend	.NET 8, ASP.NET Core, Entity Framework Core, MediatR, REST APIs
Architecture	Clean Architecture, CQRS, Domain-Driven Design, Microservices
Frontend	Next.js 15, Angular, React, Tailwind CSS, shadcn/ui, Fabric.js, HTML5, CSS3
Databases	MySQL, PostgreSQL, MSSQL, EF Core migrations
Cloud & Infra	Azure, Hostinger, CI/CD pipelines, Git, GitHub, GitLab
Tools	Postman, Swagger / OpenAPI, Postman
Testing	xUnit, NUnit, unit & integration testing patterns
Other	QuantConnect (algorithmic trading), Python data science stack

LANGUAGES

Georgian — Native
English — Fluent
German — Fluent

PROJECTS

DressField — Fullstack E-Commerce Platform

2025

dressfield.ge · Personal Project · Shipped & Live

- Designed and shipped a full-stack Georgian embroidery e-commerce platform end-to-end, from architecture through deployment.
- Built the frontend with Next.js 15, TypeScript, Tailwind CSS, and shadcn/ui — delivering a fast, responsive shopping experience with server-side rendering.
- Implemented a real-time custom-order designer using Fabric.js, allowing customers to upload artwork and preview it live on products before ordering.
- Developed a RESTful backend API with ASP.NET Core 8 and MySQL, handling product catalog, authentication, and order management.
- Deployed the backend on Azure and the frontend on Hostinger; managed DNS, SSL, and environment configuration end-to-end.

Pasukhi — AI Messaging Automation SaaS

2025

github.com/Pistolmani/Pasukhi · Personal Project · Working Prototype

- Architecting a multi-tenant SaaS platform that automates customer messaging across Instagram, Facebook, and WhatsApp using AI-generated responses.
- Built on ASP.NET Core 8 with a clean multi-tenant architecture — each tenant's data and bot configuration fully isolated.

- Integrated RabbitMQ as a message broker to handle high-throughput inbound webhook events from Meta APIs asynchronously and reliably.
- Persisted tenant configurations, conversation history, and message queues in PostgreSQL with EF Core.
- Designed with scalability in mind — decoupled ingestion, processing, and delivery layers to support future horizontal scaling.

InfraLens Georgia — AI Infrastructure Incident Platform

2025

github.com/Pistolmani/infralens-georgia · Personal Project · In Development

- Building an AI-powered platform that analyses citizen-submitted municipal infrastructure reports (e.g. broken streetlights) in Georgian and English, generating bilingual incident briefs with citations, severity scores, and recommended actions.
- Designed a LangGraph agent pipeline with five sequential nodes — ExtractEntities, ClassifyIncident, RetrieveEvidence, GenerateBrief, VerifyGrounding — each traced and confidence-scored; reports below 0.6 confidence are automatically flagged for review.
- Implemented hybrid RAG retrieval combining pgvector semantic search and PostgreSQL full-text search, fused via Reciprocal Rank Fusion (RRF) for higher recall accuracy.
- Runs entirely local: Ollama with qwen3:8b (generation) and bge-m3 (embeddings) — no hosted LLM APIs or paid cloud dependencies.
- Stack: FastAPI (Python 3.12), LangGraph, PostgreSQL 16 + pgvector, Redis/RQ, Next.js 14, TypeScript, Tailwind CSS — fully containerised with Docker Compose across 6 services.

INTERESTS

- Algorithmic Trading — Building a quantitative trading portfolio in Python using QuantConnect; studying factor models, backtesting frameworks, and risk management.
- Study Materials — Authored a series of technical PDF guides covering .NET internals, Clean Architecture, microservices, DSA, and software testing for interview preparation.
- Open Source — Regularly exploring .NET OSS ecosystem; contribute to personal projects on GitHub covering finance, tooling, and backend utilities.