Kacper Smaga
.NET Developer

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Profile

21-year-old Computer Science student with a strong foundation in backend development and modern software architecture. Focused on .NET, building production-grade systems using microservices, clean architecture, and cloud-native patterns. Quick learner eager to grow as a .NET developer and contribute to real-world projects.

EXPERIENCE

Junior .NET Developer
Jun – Aug 2025
Futurum Technology · Cracow
- Stabilized a large-scale mobile app following Xamarin.Forms → .NET MAUI migration.
- Resolved critical iOS/Android UI/UX discrepancies for a unified user experience.
- Delivered pixel-perfect frontend fixes aligned with Figma design specifications.
- Contributed to resolving 200+ technical issues in a high-pressure bug-fix sprint.

IT Tutor
Oct 2023 – present
Self-employed · Cracow
- Tutoring high school students preparing for Polish Matura in Computer Science.
- Teaching algorithmic problem-solving with Python and C++.
- Explaining programming fundamentals; Excel and database basics.

PROJECTS

TicketFlow
2026
github.com/kacpersmaga/TicketFlow
.NET 10 · Aspire · gRPC · GraphQL (HotChocolate) · MassTransit · RabbitMQ · PostgreSQL · Redis · EF Core 9 · OpenTelemetry · Docker · GitHub Actions
- Microservices ticket platform: Gateway, Catalog, Identity, Ordering, Notifications.
- GraphQL public API, gRPC internal calls, async events via RabbitMQ / MassTransit.
- JWT + refresh-token rotation, Redis caching, OpenTelemetry distributed tracing.
- Full integration tests with Aspire test host spinning live containers.

eShop – Modular E-commerce System
Dec 2024 – Apr 2025
github.com/kacpersmaga/eShop
.NET 9 · Clean Architecture · DDD · CQRS · MediatR · MSSQL · Redis · Azure Blob Storage · Docker · Caddy · GitHub Actions
- Modular monolith with Clean Architecture, DDD, and CQRS via MediatR.
- Product management with Redis caching, Azure Blob Storage, and MSSQL migrations.
- Full middleware stack: error handling, CORS, rate limiting, Serilog, FluentValidation.
- Containerized with Docker, deployed on VPS with HTTPS via Caddy reverse proxy.

ProductNegotiationApp
2024
github.com/kacpersmaga/ProductNegotiationApp
.NET 9 · Modular Monolith · MediatR · MSSQL · JWT · Serilog · Docker · xUnit
- Price negotiation REST API: customers propose prices, employees accept/reject.
- JWT auth, MediatR CQRS, structured logging, full unit test coverage.

SWIFT Codes API
2024
github.com/kacpersmaga/swift-codes-api
FastAPI · PostgreSQL · SQLAlchemy · Pydantic · Docker · Pytest · GitHub Actions
- REST API for querying, creating, and deleting SWIFT/BIC code entries.
- Automated CSV seeding, full Pytest coverage, CI via GitHub Actions.

SKILLS

Primary
C#, .NET 9/10, ASP.NET Core, EF Core

Architecture
Clean Architecture, DDD, CQRS, Microservices, REST, gRPC, GraphQL

Messaging
MassTransit, RabbitMQ

Databases
PostgreSQL, MSSQL, Redis

DevOps
Docker, GitHub Actions, .NET Aspire

Testing
xUnit, Moq, Integration Testing

Other
Python, FastAPI, Git, OpenTelemetry, Serilog, JWT, Azure Blob Storage

CERTIFICATES

AZ-900
Microsoft Azure Fundamentals

DP-900
Azure Data Fundamentals

AI-900
Azure AI Fundamentals

ITS – Software Dev
JavaScript, Databases, HTML & CSS

ITS – Cybersecurity
Networking, Cloud Computing, Security

EDUCATION

BSc Applied Computer Science
Wyzsza Szkola Ekonomii i Informatyki
Oct 2023 – present · Cracow

Maths, Physics & CS Profile
LO Zakonu Pijarów
Sep 2019 – May 2023 · Cracow

LANGUAGES

English
C1 – Professional proficiency

Polish
Native