

# Narek Tamazyan

.NET Backend Software Engineer | [narek.tamazyan.g@gmail.com](mailto:narek.tamazyan.g@gmail.com) | +374 95 666 486 | [in/narektamazyan](https://in/narektamazyan) | Gyumri, Armenia

## Summary

Backend Software Engineer specializing in C# and ASP.NET Core, with hands-on experience designing, developing, and maintaining production backend systems, RESTful APIs, and event-driven applications. Experienced in integrating AI and payment platforms, implementing asynchronous workflows using RabbitMQ and MassTransit, and optimizing database performance.

Skilled in PostgreSQL, EF Core, AWS, GCP, Docker, and CI/CD, with experience in modular monolithic architectures and distributed system integrations. Strong foundation in SOLID principles, Clean Architecture, DDD, and CQRS, with a focus on building scalable, maintainable, and reliable backend solutions.

## Work Experience

**UpT.ai** | Hong Kong, Full-time, Hybrid

October 2024 - Present

*Software Engineer*

- Developed and maintained ASP.NET Core APIs and backend services for AI and payment platform integrations.
- Implemented event-driven workflows using RabbitMQ, MassTransit, and asynchronous processing.
- Optimized PostgreSQL performance through query tuning and indexing.
- Containerized .NET services with Docker and contributed to CI/CD pipelines across AWS and GCP.
- Increased automated test coverage to 90%+ using xUnit and Moq.
- Applied Clean Architecture, DDD, and CQRS to build maintainable backend systems.

## Education

**École 42** | Bachelor's Degree in Computer Science (RNCP Level 6) | Remote | January 2024 - Present

## Projects

**Minishell** | [github.com/natamazy/minihell](https://github.com/natamazy/minihell)

- Developed a custom Bash-like command-line interpreter in C, implementing process management, multi-stage pipelines, file descriptor manipulation, and Unix signal handling.
- Applied low-level system calls and operating system concepts to reproduce core shell execution behavior.

**FdF** | [github.com/natamazy/FdF](https://github.com/natamazy/FdF)

- Developed a 3D wireframe visualization application in C using isometric projection and mathematical coordinate transformations.
- Implemented efficient parsing of topographical datasets and interactive rendering features, including rotation and zoom.

## Technical Skills

- Languages** | C# (12/13), SQL (T-SQL, PostgreSQL)
- Frameworks & Libraries** | .NET 9/10, ASP.NET Core, Entity Framework Core (EF Core), MassTransit, MediatR, xUnit, Moq
- Infrastructure & Tools** | Docker, RabbitMQ, Google Cloud Platform (GCP), AWS, CI/CD, Redis
- Architecture** | Domain-Driven Design (DDD), Clean Architecture, CQRS, Modular Monolith, RESTful APIs

## Soft Skills

- Technical Communication** | Explaining architectural tradeoffs to non-technical stakeholders.
- End-to-End Ownership** | Managing services from initial design through to production deployment.
- Adaptability** | Mastering new cloud services and AI tools in fast-paced startup environments.

## Certificates (2026)

- Microsoft Professional Certificate** | [Back-End Development with .NET](#)
- EF SET** | [English Certificate \(C2 Proficient\)](#)