Javohir Sadullayev

.NET Backend Developer

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Experience

Backend Developer, EnglishAI, Tashkent *Jul 2026 – present*

- Architected ASP.NET Core REST APIs with PostgreSQL and Redis caching for an adaptive English platform serving 700+ active users
- Investigated placement-test dropout logs: detected false mobile anti-cheat triggers affecting 21 of 27 users; refactored fraud logic and added session recovery (+78% onboarding completion)
- Integrated Azure Speech for STT and pronunciation assessment; engineered an MD5-hashed Redis audio cache for repeat queries, cutting synthesis costs by 35% and latency to <120ms

Projects

Full-Stack Developer, KitobdagiMen kitobdagimen.uz *Jun 2026 – Jul 2026*

- Built a social reading web platform (.NET 8, PostgreSQL) with reviews, reading goals, quotes, Google OAuth, and real-time chat via SignalR
- Engineered Telegram Bot & Mini App integration: automated broadcasting of quotes/reviews with message ID sync, HMAC-SHA256 validation, and thread-safe 2-min OTP auth
- Designed a 60/40 followed-vs-new-author algorithmic feed with cursor pagination; created a 4-route fallback proxy with 24h Redis cache, maintaining 99.8% availability

Backend & AI Engineer, ZiyoAI @ZiyoAIBot *Aug 2026 – Sep 2026*

- Developed an autonomous multimodal Telegram AI assistant bot (.NET 8, EF Core, PostgreSQL, Docker) supporting voice-in/out (STT/TTS) and OCR visual comprehension
- Built channel auto-enrichment: autonomously analyzes posts published to linked channels to generate discussion prompts, summaries, and educational quiz questions
- Resolved upstream AI quota limits via dual-key failover gateway with tiered timeouts (30s model / 65s total), rate limiting, and update deduplication (99.9% uptime)

Full-Stack Developer, TypingWar github.com/Sadullayev-Javohir/typingwar *Jun 2026 – Jul 2026*

- Built a real-time competitive typing platform (.NET 8, PostgreSQL, Redis) featuring 1v1 live duels, multiplayer battle rooms, AI sparring bots, and automated tournaments
- Architected low-latency WebSocket communication via SignalR Core and Redis Pub/Sub, synchronizing keystrokes, WPM, accuracy, and live progress with <30ms latency
- Eliminated client race conditions and spoofing with server-side cadence verification; secured core battle engine reliability with 105+ unit tests (xUnit)

Backend Developer, MeningVaqtim meningvaqtim.uz *Active Project*

- Developed a productivity tracker (.NET 8, PostgreSQL) serving 200+ users, delivering timezone-aware analytics comparing planned tasks with deep-work sessions
- Solved unclosed session inconsistencies by deploying automated background jobs (Hangfire / BackgroundService) for timer auto-completion and distraction logging (100% data integrity)

Education

PDP University, B.Sc. Computer Science *Oct 2024 – Jun 2028*

Focus area on Algorithms & Data Structures, Relational Databases, Network Programming
Overall GPA: 4.13 / 4.5

Technical Skills

- **Languages & Core:** C#, .NET 8, ASP.NET Core, REST APIs, Entity Framework Core, Dapper, LINQ, OOP, Clean Architecture
- **Databases & Caching:** PostgreSQL, Microsoft SQL Server, Redis (Caching & Pub/Sub), SQL Query Optimization
- **Real-time & DevOps:** SignalR Core, WebSockets, Docker, Git, CI/CD (GitHub Actions), Hangfire, Azure Speech (STT/TTS), xUnit

Certifications & Languages

- Passed HackerRank REST API (Intermediate) and HackerRank Software Engineer certifications
- Microsoft / freeCodeCamp Foundational C# certification
- Languages: Uzbek (native), English (B1)