Nosirbek Xakimov

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SUMMARY

Full stack engineer with 5 years of professional experience (2021–2026) across .NET, TypeScript, SQL and DevOps. I work on Uzbekistan's national e-invoicing platform and run my own product ecosystem, dtwin.uz, end to end: code, databases, CI/CD, servers and production incidents. Known for evidence-based root-cause analysis, security awareness and shipping fast.

EXPERIENCE

Faktura.uz — Full Stack Software Engineer & DevOps — Apr 2026 – present

National e-invoicing and electronic document-flow platform integrated with the State Tax Committee (Roaming), E-IMZO digital signatures and payment gateways.

- Develop and maintain a large .NET Framework / ASP.NET MVC / Web API monolith with gRPC services, EF6 and SQL Server stored procedures on a multi-terabyte database with billion-row tables.
- Root-caused critical production incidents from logs and data: a frozen signing pipeline (~10k documents), a stalled callback queue (~1M messages), lost tariff payments and a file-server CPU spike; shipped fixes such as a self-healing RabbitMQ consumer.
- Found and fixed security issues: broken access control and path traversal, injection in stored procedures, an account-takeover path; prepared the upgrade plan for a critical CVE in the self-hosted GitLab.
- Made billing atomic (lost-update, double-charge and non-atomic payment defects) with transactional SQL procedures; built usage and pricing analyses for management.
- Led the strangler-fig extraction of roaming sync into .NET 10 services (gRPC, PostgreSQL as a queue, OpenTelemetry), with 100% domain test coverage and benchmark-backed decisions.
- Introduced a team-wide merge-request standard (problem, cause, reproducible proof, fix), deep-reviewed 71 MRs in one pass, cleaned the repository from 299 to 95 branches; GitLab CI, Jenkins, Seq, Grafana, Prometheus.

dtwinuz · dtwin.uz — Founder & Engineer — 2026 – present

Independent product ecosystem built and operated solo.

- 14 live products and MVPs in 2026: 952 commits, 547 merged PRs, 1,395 CI runs, 17 releases (GitHub org dtwinuz).
- Own infrastructure: VPS with Caddy edge and per-project Docker Compose stacks, health-gated deploys with rollback, daily backups, status page, self-hosted tunnel.
- GitHub org governance: teams, CODEOWNERS, squash-only merges, Dependabot, CodeQL, SHA-pinned Actions, GHCR images.

Fincube — Full-Stack .NET Developer — Oct 2022 – 2026

Fintech and enterprise software company.

- Built modules of the "IAS" ERP / retail system (head office, sales office, point of sale) on ASP.NET Core and SQL Server.
- Developed integration services with payment and banking systems and 1C; worked on shared microservice libraries.
- Automated ApexInsurance business workflows.

UZCARD — .NET Developer — Apr 2022 – Aug 2022

National payment system.

Ilmhub IT School — Software Developer & C#/.NET Instructor — Oct 2021 – Mar 2022

- Taught C# and .NET to bootcamp students; contributed to school projects (invoice service: authentication and features).

SELECTED PROJECTS

dtwin.uz	Life OS that plans the day around the five daily prayers: web PWA, Telegram bot and Mini App, Android widget, browser extension; MCP server with ~95 tools and OAuth 2.1 so Claude/ChatGPT can work with the user's data. .NET 10 · React 19 · PostgreSQL 17 · MCP
faktura.dtwin.uz	Real-time 3D digital twin of an office: live GitLab/Jira, servers, attendance. Local Release test: 30,000 events, 1.5M fan-out deliveries, 6 ms p95, 0 errors; draw calls cut from 1,039 to 436. .NET 10 · SignalR · React Three Fiber · three.js
TeleTwin	Corporate messenger inside a Telegram client: work chats on the company's own server, revocable by an admin. Forks of Telegram Desktop (C++/Qt) and Telegram Web (Tauri, Capacitor). .NET · SignalR · C++/Qt · TypeScript · Rust
gateway + tunnel	MCP gateway giving AI agents read-only, audited, PII-masked access to Jira, GitLab and SQL; self-hosted ngrok alternative on frp. Node · MCP · frp · Caddy · Gatus

Attendo	Face-ID attendance on Hikvision terminals with transparent calculation rules for managers, HR and employees. .NET 10 · React 19 · ISAPI
xnosir.io	Interactive WebGL portfolio in three languages. TypeScript · three.js · GLSL

SKILLS

Backend	C#, .NET 10 / ASP.NET Core, .NET Framework (MVC, Web API, Windows services), gRPC, SignalR, EF Core / EF6, Hangfire, Node.js (Fastify)
Frontend	TypeScript, React 19, Vite, TanStack Query, Tailwind, three.js / React Three Fiber, GSAP, PWA, Telegram Mini Apps, Electron, Tauri
Data	SQL Server (stored procedures, indexing at billion-row scale), PostgreSQL, SQLite, RabbitMQ
DevOps	Docker, Linux, Caddy, Nginx, IIS, GitLab CI, Jenkins, GitHub Actions, Forgejo, Ansible, Prometheus, Grafana, Seq, Gatus
Domain	E-invoicing, tax-authority integration, E-IMZO / PKCS#7, payments & billing, OWASP (access control, injection), AI agents & MCP

EDUCATION & TRAINING

Miras University, Tashkent — Business

Najot Ta'lim — C and Python foundations, 2021

Ilmhub IT School — .NET bootcamp, 2021–2022

LinkedIn Learning — ASP.NET Core Web APIs in .NET 6; C# Generics, Collections and LINQ

OPEN SOURCE & WRITING

- Translated Hassan Habib's ".NET The Standard" into Uzbek (merged PRs, 2022).
- 11 technical articles on dev.to (C#, unit testing with xUnit/Moq, SignalR, patterns).

LANGUAGES

Uzbek (native) · Russian · English