ARTYOM NESIN

Senior Backend Engineer | Node.js / NestJS / TypeScript
Batumi, Georgia | Open to Relocation (EU) & Remote (CET / EST overlap, B2B ready)
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Summary: Senior Backend Engineer with 5+ years of commercial experience building TypeScript services with Node.js and NestJS. Takes distributed systems from design through production, with hands-on work in event-driven integrations, resilient webhook pipelines, PostgreSQL performance, and transactional billing.

TECHNICAL EXPERTISE

Languages: TypeScript, JavaScript, SQL
Backend: Node.js, NestJS, REST APIs, WebSockets, Microservices
Databases & ORMs: PostgreSQL, Redis, MySQL, Prisma, TypeORM, Drizzle ORM
Messaging & Queues: RabbitMQ, Kafka, BullMQ, Redis Pub/Sub
Architecture & Security: System Design, Clean Architecture, Idempotency, JWT, OAuth 2.0, RBAC
DevOps & Observability: Docker, Kubernetes, GitLab CI/CD, GitHub Actions, Grafana, Loki, Prometheus, OpenTelemetry
Testing & Tools: Jest, Vitest, Git
AI-Assisted Development: Claude Code, Codex, Hermes

PROFESSIONAL EXPERIENCE

Rocket.red | Jan 2024 - Sep 2026 Remote
Senior Backend Engineer
CRM systems integrator; projects covered fintech/payments, retail, and delivery operations.

- Architected and built an idempotent webhook pipeline processing 100,000+ events per day. Used BullMQ, Redis token-bucket throttling, and exponential backoff to absorb bursts and prevent upstream HTTP 429 errors.
- Raised automated duplicate resolution accuracy from ~70% to 97% by replacing third-party deduplication with a configurable multi-source merge engine.
- Built backend services for a CRM-embedded shift scheduling and time-tracking system at a large food delivery operator; linked analytics with CRM leads and sales metrics, with no third-party browser extensions. Optimized NestJS and PostgreSQL to keep responses below 100 ms across 500-700 daily shifts.
- Implemented two-way RabbitMQ and webhook synchronization for CRM roles, groups, records, and external ERP / contractor platforms.
- Built HR-triggered job publishing and wage calculation services; key business logic has 90%+ Jest unit and integration test coverage.
- Delivered a public Webhooks marketplace integration and maintained financial products with 100,000+ installs; supported Kubernetes deployments, GitLab CI/CD, observability, code review, and junior mentoring.
- Used AI coding agents to prototype features, write and optimize code, generate tests, and assist with code reviews. Personally reviewed all AI-assisted changes for correctness, maintainability, and security.

CodeKids.cc | Aug 2022 - Dec 2023 Remote
Software Engineer | EdTech Platform
Built the production platform from the ground up for an online programming school serving hundreds of active users.

- Designed a NestJS backend with PostgreSQL and Redis for transactional balance tracking, automated tutor payouts, and idempotent payment webhooks.
- Built REST APIs and three Vue 3 SPAs for parents, students, and teachers, covering lesson scheduling, balances, and attendance; deployed services and background workers on Railway.

Zlatoust Municipal Institutions | Aug 2021 - Jul 2022 On-site
Backend / Fullstack Software Engineer

- Built and deployed a Kotlin/Ktor, MySQL, and Vue.js service desk across seven municipal medical facilities, reducing average IT incident resolution time by 40%+.
- Supported critical IT infrastructure and digital-signature systems across 200+ workstations.

EDUCATION

Zlatoust Industrial College | Diploma in Information Systems & Programming, with Honors (2019-2023)

- Regional WorldSkills competitions: winner and medalist.

ADDITIONAL INFORMATION

Languages: English (B2, professional working proficiency), Russian (native)