

Egor Semenchenko

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[LinkedIn](#)

Senior Node.JS Developer

Specialization: Full Stack Development, Technical Leadership

Work schedule: Full-time, Remote work

Skills

Programming Languages

JavaScript TypeScript C#
HTML/CSS Go (learning)

Backend

Node.js Express.js NestJS
REST API GraphQL WebSockets
Puppeteer

Frontend

React Redux Tailwind Angular
CSS/SCSS

Databases

MongoDB PostgreSQL MySQL
Redis

DevOps & Infrastructure

Docker AWS S3 Lambda
Yandex Cloud Linux CI/CD

Integrations

Stripe Google APIs Jira OAuth
TG API

Soft Skills

Client Communication

Strong ability to negotiate with clients, understand their needs, and effectively communicate technical concepts to non-technical stakeholders.

Team Leadership

Experience mentoring junior developers, fostering a collaborative environment, and leading cross-functional teams to achieve project goals.

Conflict Resolution

Skilled at addressing conflicts constructively, finding common ground, and maintaining positive working relationships even in high-pressure situations.

Crisis Management

Proven ability to make critical decisions during emergencies, prioritize effectively, and implement solutions that minimize negative impacts.

Russian — Native **English** — C1 — Advanced

Key Achievements



40% API Performance Improvement

Optimized architecture and implemented strategic caching, reducing response time from 1.2s to 0.7s for a payment platform processing 15,000+ daily transactions.



Team Leadership

Successfully led a team of 5 developers that built 3 major projects from scratch (Augmento, UseKyleApp, CareGave), delivering on time and within budget.



Production Management

Reduced operational costs by 25% and increased output by 15% by implementing strategic process optimizations and IT solutions in manufacturing environment.

Work Experience — 6+ years

Full Stack Engineer

January 2022 — Present (3 years 6 months)

Freelance

- Developed an accounting and analytics system for a payment platform processing up to 10,000 transactions daily with 99.9% accuracy.
- Created automated scripts for Excel and Google Sheets that reduced data processing time by 70%.
- Designed and built 3 custom CRM systems for clients across different industries, optimizing internal processes and increasing staff productivity by 35%.
- Integrated Google Calendar, OAuth, and various APIs to build comprehensive scheduling and reporting systems.

Head of Production

January 2024 — Present (1 year 3 months)

Planet Sirius

Moscow

FMCG Clothing, footwear, accessories, textiles (Manufacturing)

- Managed a factory of 100 employees, ensuring timely order fulfillment and quality standards compliance.
- Optimized production processes resulting in a 25% cost reduction and 15% increase in output.
- Implemented a quality control system that reduced defect rates from 15% to 2%.
- Developed and deployed IT solutions for inventory management and production planning, reducing time spent on routine operations by 40%.
- Applied crisis management skills during supply chain disruptions, developing alternative sourcing strategies that prevented production delays.

Backend Engineer, Team Lead

January 2021 — December 2022 (2 years)

Anoda

Stack: AWS, NestJS, MongoDB, SQL, RestAPI, GraphQL, Stripe.

- Led a team of 5 developers who successfully launched 3 large-scale projects from scratch within deadlines.
- Designed and developed RESTful and GraphQL APIs for high-load services with peak loads of up to 5000 requests per minute.
- Integrated Stripe payment system with subscription and recurring payment processing, increasing payment conversion by 12%.
- Mentored junior developers, leading to a 30% increase in their efficiency during the first 6 months.
- Managed client relationships and expectations, utilizing strong communication skills to negotiate scope and timelines.

Projects built by my team from scratch:

- ✓ Augmento — Cutting-edge European platform revolutionizing the art market by integrating 3D and augmented reality technologies for immersive previews of art pieces and designer furniture
- ✓ UseKyleApp — Innovative US-based music application that transforms the economics of live music events by creating a direct marketplace between DJs and audience members
- ✓ CareGave — Advanced healthcare staffing solution for the US market that streamlines the connection between medical professionals seeking flexible employment and healthcare facilities with staffing needs

Backend Engineer

June 2021 — December 2021 (7 months)

InterLogistics

(project work concurrent with primary employment at Anoda)

- Developed automated bot system for participating in Copart online auctions, transmitting real-time data to the office for purchase decision-making.
 - Created comprehensive parsers using Puppeteer, extracting and structuring data from more than 200 competitor logistics company websites with 98% accuracy.
 - Implemented complete extraction and systematization of the listex.info database, creating a valuable information resource for the company.
 - Designed a system for tracking the complete logistics chain of vehicles from auction to final destination, allowing for optimized transport routes and reduced costs.
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FullStack Engineer

January 2020 — June 2021 (1 year 6 months)

MK 3

Moscow, mk3.ru

Construction, real estate, architecture

- Commercial property construction (retail spaces, office buildings)
- Architecture, design
- Developed plugins for ADOBE AutoCad and Revit that increased design speed by 40% and reduced errors by 60%.
- Created an internal CRM system for license management that streamlined the process by 75% and provided product usage analytics.
- Designed and implemented the company's corporate website, increasing client acquisitions through online channels by 35%.
- Built responsive front-end interfaces that improved user experience and reduced training time for new users by 50%.

Professional Profile

Full Stack Developer with 6+ years of experience specializing in Node.js backend development and React frontend solutions. I've built high-load applications handling 15,000+ daily transactions, integrated payment systems, and led development teams.

My career path reflects my strategic adaptability rather than simply being a "jack of all trades" - I've deliberately expanded from pure development into production management to gain business perspective and create more value. This dual expertise in both technical implementation and operational management gives me unique insights into how technology can effectively solve business challenges.

Education & Professional Development

Higher Education

2022

Moscow University of Finance and Industry "Synergy", Moscow

Information Security, Development and Support of Security Systems

Professional Reading

Domain-Driven Design Distilled

Vaughn Vernon

Applied these principles to structure microservices architecture for several enterprise projects.

Object-Oriented Thinking

Matt Weisfeld

Applied these principles to create well-structured modular architecture in several enterprise projects, ensuring clearer separation between business logic and technical components.

Grokking Algorithms

Aditya Bhargava

Improved data processing efficiency by applying optimized algorithmic approaches.

Certifications

2023

Advanced Node.js Development

Udemy

2022

AWS Certified Developer - Associate

Amazon Web Services

What Drives Me

I'm passionate about creating sophisticated technical solutions that appear seamless to end-users. There's nothing more satisfying than building complex systems that people interact with effortlessly, completely unaware of the intricate architecture beneath the surface.

I find tremendous fulfillment in mentoring junior developers and watching their growth. Sharing knowledge and seeing someone evolve from struggling with basic concepts to independently solving

complex problems is incredibly rewarding. This commitment to team development has helped me build high-performing teams that consistently deliver exceptional results.

Career Case Studies

Most Successful Project

Led the development of UseKyleApp, a music platform creating direct connection between DJs and their audience. The application enables event attendees to request and pay for tracks, while performers receive compensation for each accepted request. Through Spotify and Apple Music integration, DJs gain instant access to an extensive music library. The project required solving complex challenges in reliable payment processing and ensuring stable real-time performance.

Results: The platform provides seamless processing of music requests and transactions even with unstable internet connectivity in concert venues and clubs. Thanks to its intuitive interface and reliable performance, the application has received high praise from both DJs who reported increased earnings and attendees who appreciated the new level of interactivity at events.

Learning from Challenges

Early in my career, I underestimated the complexity of processing large volumes of data for an analytics platform. The initial architecture couldn't handle the data flow when processing volumes exceeded projections, resulting in performance issues.

Key lessons: This experience fundamentally changed my approach to system architecture. Now I always design architecture many steps ahead and consider it the most important aspect of development. I implemented proper load testing protocols, adopted caching and query optimization strategies, and developed a more robust monitoring system. Long-term architectural planning has become the foundation of all my projects from day one of development.

Difficult Stakeholder Management

Worked with a client who frequently changed requirements mid-development without understanding the technical implications. Rather than becoming frustrated, I developed a visualization tool that demonstrated how changes impacted the project timeline and technical debt.

Outcome: The client gained valuable insight into the development process, our relationship improved significantly, and we established a more structured change management procedure that benefited both parties.