Anton Vusatyi

Senior Software Engineer

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Summary

Senior Software Engineer with 9+ years of experience building **scalable**, **fault-tolerant distributed systems** and backend services on **Node.js / TypeScript**, with working proficiency in Java, Go and Python.

Strong focus on **architecture**, **reliability**, and **performance** — systems handling **~200 RPS** with **P95 ≤ 500 ms**, **zero-downtime deployments**, and mature **CI/CD** practices.

Experienced in event-driven/microservice architectures, system design, observability, and **IaC** led cross-functional teams and mentored 20+ engineers.

Skills

Programming: TypeScript, JavaScript (Advanced); **Java**, **Python**, **Go** (Working proficiency); **SQL**

Backend: Node.js (NestJS, Express), Java (Spring Boot), GraphQL, REST, RPC, WebSockets

Data & Storage: Relational and NoSQL datastores (*PostgreSQL, Redis, MongoDB* etc.)

Cloud & DevOps: AWS, Azure, Docker, **IaC**, **CI/CD** (GitHub Actions, Jenkins)

Architecture & Practices: Distributed Systems, **Scalability**, **Fault Tolerance**, Event-Driven Architecture, Message Queues & Stream Processing, **Observability**, System Design

Experience

Software Engineer → Lead Software Engineer, EPAM Systems – Istanbul, Turkey   Sept 2021 – present
Led modernization of an enterprise platform; owned architecture, reliability, and delivery at scale.

- Designed and operated backend services handling **~200 RPS** with **P95 ≤ 500 ms** and **zero-downtime** releases.
- Built **event-driven** cloud-native components using **AWS SQS** and **Lambda** for async communication between microservices.
- Developed data-processing pipelines on **Azure Durable Functions** (Excel ingestion → validation → reporting) with idempotent steps and retries.
- Integrated microservices via **Azure Event Hub** to enable data platform streaming and ingestion.
- Optimized **CI/CD** pipelines **(60 → 15 min)** and reduced MTTR via automation and observability improvements.
- Mentored 20+ engineers and facilitated architecture review sessions across teams.

Software Engineer, MEDIA5 – Moscow, Russia   Apr 2021 – Sept 2021
Built platform for automated promo-site deployment; focused on developer experience and runtime efficiency.

- Designed reusable delivery system → *reduced infrastructure costs ~3× and development time ~10×.*
- Delivered '*Node.js*' services and '*CI/CD*' integrations for templated provisioning.

Software Engineer, Piramis – Novorossiysk, Russia   July 2019 – Apr 2021
Led development of a scalable web platform; introduced monitoring and modular architecture.

- Scaled application to **40K DAU**.
- Delivered features driving **~17× monthly revenue growth** over 2 years.
- Built internal package library → halved feature delivery time.

Software Engineer, SITEMADEPRO – Novorossiysk, Russia   Mar 2017 – July 2019

Delivered commercial web projects and improved team efficiency through internal frameworks.

- Delivered 13+ projects end-to-end; introduced shared framework → delivery speed ×3.
- Strengthened CI and testing for higher release stability.

Projects

Shestakov Yacht Sales — Platform Revamp

Cloud / backend modernization for a global yacht marketplace.

- Re-architected backend infra **(Next.js + Node.js + NestJS + IaC)** with defined SLOs and monitoring.
- Implemented **PostgreSQL-based queue** for batched and parallel updates to optimize write throughput.
- Improved deployment and page performance; enhanced user experience **×2**.

Bizii — AI-Assisted Trademark Platform

Designed backend architecture and CI/CD for an **AI-driven B2B platform**.

- Built '*TypeScript*' backend on '*Supabase*' / '*Vercel*'; implemented '*RAG-style pipelines*' for automation.

Publications

Architectural Approaches to Building Highly Available Distributed Systems   May 2025
Anton Vusatyi
bit.ly/43rDciz (Research note)

Theoretical and Methodological Foundations for the Development of Distributed Systems in the Context of Digital Transformation   June 2025
Anton Vusatyi
7universum.com/ru/tech/archive/item/20317 (Research note)

Research & Writing

Message Broker Workshop

Hands-on research of broker semantics for write-heavy systems; formalized in GitHub with documentation. Ongoing.

- Exploring trade-offs between at-most-once, at-least-once, and exactly-once processing.
- Practical experiments with RabbitMQ Streams, Kafka Streams, and AMQP batching; benchmarks and analysis in progress.

Education

Moscow Humanitarian University, in General – Moscow, Russia   Sept 2015 – Aug 2019

Certificates

- AWS Developer Associate
- PMI Certified (Project Management)

Volunteering

Technical Interviewer / Mentor, EPAM Systems   Jan 2023 – present
Conduct technical interviews, mentor engineers, and support career growth programs.