

Anton Vusatyi

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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 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** (Working proficiency); SQL

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

Data & Storage: Relational and NoSQL datastores (PostgreSQL, SQL, NoSQL stores)

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 $P95 \leq 500$ 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 ($60 \rightarrow 15$ 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 $\sim 3\times$ and development time $\sim 10\times$.
 - 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 **40 K DAU**
 - Delivered features driving **~17x monthly revenue growth** over 2 years.
 - Built internal package library → halved feature delivery time.

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

- Delivered 13+ projects end-to-end; introduced shared framework → delivery speed $\times 3$.
 - 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** + **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

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bit.ly/43rDciz (Research note)

Theoretical and Methodological Foundations for the Development of Distributed Systems in the Context of Digital Transformation

June 2025

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[Zuniversum.com/ru/tech/archive/item/20317](https://zuniversum.com/ru/tech/archive/item/20317) (Research note)

Research & Writing

Ongoing — Message Broker Workshop

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

- 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 – Moscow, Russia

Sept 2015 – Aug 2019

Certificates

AWS: AWS Developer Associate

Project Management: PMI Certified

Volunteering

Technical Interviewer / Mentor — EPAM Systems

2023 – present

Conduct technical interviews, mentor engineers, and support career growth programs.