

# Anton Vusatyi

Senior Software Engineer

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## Summary

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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  $\sim 200 \text{ RPS}$  with  $\text{P95} \leq 500 \text{ ms}$ , **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.

Introduced **AI** into development and management processes, improving productivity several times.

## Skills

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**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

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**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  $\sim 200 \text{ RPS}$  with  $\text{P95} \leq 500 \text{ ms}$  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 ( $60 \rightarrow 15 \text{ min}$ ) 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 **40K DAU**.
- Delivered features driving  $\sim 17\times$  **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

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### **Shestakov Yacht Sales — Platform Revamp**

Cloud / backend modernization for a global yacht marketplace.

- Re-architected backend infra (Next.js + Node.js + NestJS + NATS + 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

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### **Architectural Approaches to Building Highly Available Distributed Systems**

May 2025

*Anton Vusatyi*

[bit.ly/43rDciz](https://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](https://7universum.com/ru/tech/archive/item/20317) (Research note)

## Research & Writing

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### **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

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### **Moscow Humanitarian University, in General – Moscow, Russia**

Sept 2015 – Aug 2019

## Certificates

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- AWS Developer Associate
- PMI Certified (Project Management)

## Volunteering

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### **Technical Interviewer / Mentor, EPAM Systems**

Jan 2023 – present

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