

Anton Vusatyi

Lead Software Engineer

Istanbul, Turkey | anton@vusatui.com | 0507 445 38 09 | linkedin.com/in/vusatui
github.com/vusatui

Summary

Lead Software Engineer with 9+ years of experience in **full-stack** and **cloud-native** development; strong focus on **scalable, fault-tolerant distributed systems** and modern backend/frontend stacks with **DevOps** practices.

Passionate about systems design, architecture, and optimization; ongoing research in distributed computing. Delivered complex projects on time with high reliability (~200 RPS, P95 ≤ 500 ms, zero-downtime releases, mature CI/CD).

Led cross-functional teams of up to 10 engineers mentored 20+ engineers and facilitated architecture review sessions. Experienced in event-driven/microservice architectures, IaC, and observability.

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

Skills

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

Frontend: React, Next.js, Vue, Nuxt, TypeScript

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 $P95 \leq 500$ 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 **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

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

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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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.