Legal Name: Gusein Ismaiylov

Preferred Name: Guseyn Ismayylov

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GitHub / StackOverflow / LinkedIn / Instagram

Founder of Unison. Creator of [nodes (Backend Framework for Node.js)](nodes) and [EHTML (Frontend Framework).](EHTML) Tech leader and business partner at InstruxMusic. Full stack developer and a researcher with **10 years** in software engineering.

Skill Set/Tech Stack: JavaScript, TypeScript, Java, Node.js, Express, Fastify, NestJS, NX: Smart Monorepos, React, Next.js, Java, Spring Boot, HTML, EHTML, nodes.js, CSS, SVG, Web Components, UI/UX, PostgreSQL, MongoDB, MariaDB, ORM, Redis, GCP, AWS, Azure, Digital Ocean, Clickhouse, Grafana, Snowflake, Marble, Docker, Kubernetes, Github Actions, OpenTelemetry, New Relic, GrayLog, REST APIs, Web Sockets, Server-Sent events, WebRTC, Public APIs, Stripe (Payment System), Message Driven Architecture, Microservices, Test Containers.

Work Experience

InstruxMusic (Remote, Tbilisi): Jul 2025 - Present. CTO and Business Partner. Helped to design and implemented whole platform from scratch as a solo developer. Platform includes advanced scheduling system, video lesson room, chat, invoicing system and payment integrations. I used my own custom solutions on frontend and backend to quicky build the platform. First version of the platform was finished in **3 months.** I am hugely involved in business decisions and pricing strategy of the platform. Right now, the platform in maintaince mode.

Gemba (Remote, Tbilisi): Nov 2024 - Jun 2025. Senior Software Engineer and Technical Consultant. I implemented and maintained payment services for internal and external banking operations, ensuring secure and reliable transaction processing using systems like Marble. I designed workflow automations with n8n and integrated chat-based systems to enhance support and communication. I developed CI/CD pipelines to streamline deployments and improve system stability through testing, monitoring, and optimization. Additionally, I collaborated with cross-functional teams to align payment infrastructure with business goals and resolved production issues in payment and automation systems.

Congrify (Remote, Tbilisi): Feb 2024 - Oct 2024. Team Lead: Senior Software Development Engineer. I resolved critical issues in AWS infrastructure and built a

monitoring system to detect transaction anomalies and inconsistencies. I added data processing features, optimized workflows, and improved validation and performance metrics, while also reducing AWS Lambda costs by 20%. I enhanced concurrency in legacy microservices and completely redesigned the application's frontend. Additionally, I improved performance, caching, error handling, and overall UX in the React application.

FxPro (Cyprus, Limassol): Nov 2022 - Oct 2023. Senior Software Engineer. I managed infrastructure for over 60 microservices, achieving a 20% boost in reliability and a 15% reduction in downtime. I developed authentication and payment configuration services, including an Authentication Service integrated with Azure Active Directory and migrated configuration for 20+ payment systems across 50+ countries. My improvements to CI/CD pipelines reduced deployment time by 25%, and I integrated New Relic into 25 services to identify performance optimization opportunities. I also created internal tutorials and manuals for over 40 services to support team efficiency.

Cognitran (Poland, Krakow): Sep 2021 - Oct 2022. Senior Software Engineer.

Alten (Poland, Krakow): Mar 2021 - Aug 2021. Senior Software Engineer.

Huawei (Russia, Moscow): Jan 2020 - Mar 2021. Senior Software Engineer.

USMobile (Remote): Feb 2019 - Jan 2020. Senior Software Engineer.

Grid Dynamics: Dec 2015 - Jan 2019. From Intern Software Engineer to Senior Software Engineer.

Side project:

Unison (unisonofficial.com): 2019 Dec. - Present. CTO. As CTO and Founder of Unison, I led the development of a long-lasting, technically robust platform that transforms text into dynamic music notation. Leveraging a solid tech stack—including Node.js, MongoDB, HTML, SVG, Markdown, EHTML — I combined hands-on engineering with strategic direction to build a maintainable, scalable solution at the intersection of music and technology.

Open Source Projects:

EHTML, Nodes.js, Test executor, Broken XML, Rewrite Java Definitions, Mathematics of Neural Network

Talks:

EHTML 3 Demo (2026), EHTML: Demo (6 Dec 2023), Declarative Unit Testing in Node.js (in Russian, 1 Mar 2020), Declarative Node (in Russian, 8 Feb 2019), EHTML: Simple Blog App (1 Dec 2019)

Certifications:

[Oracle Certified Associate Java SE 8 Programmer](#)

Education: Applied Mathematics and Computer Science: *Saratov State University, 2012 - 2016*

[Bachelor's Thesis: Cost Minimization of Energy on the Control of Satellite's Angular Motion (in Russian)](#)

Rest of Life:

I play guitar and ukulele, watch good movies, read useful books, learn chess, do sport activities (football, running), and travel a bit. More about me you can find [here](#).