Maksym Berezhnoy

Full Stack Developer

Rudny, Kazakhstan | +77751973069

maksymberezhnoy95@gmail.com

https://x.com/MaximBerezhoy

https://www.linkedin.com/in/maksym-berezhnoy-363641340/

https://lodestar-portfolio.netlify.app/

Senior Software Engineer with 7+ years of experience designing, building, and scaling production-grade full-stack platforms across logistics, AI, Blockchain, Web3, and enterprise SaaS. Deep expertise in Java, Spring Boot, microservices, and secure API design, with strong frontend ownership in Angular and React to deliver complex, real-time, role-based systems.

Approaches engineering with the belief that *"Grit is living life like it's a marathon, not a sprint"* — focusing on long-term system health, resilient architecture, and sustainable delivery over short-term wins. Proven end-to-end owner from domain modeling and architecture through CI/CD, cloud deployments, and production operations.

Work Experience

Full Stack Developer   Jan 2020 – Dec 2025

AGTS LLC   Canada (Remote)

Freshbridge.ca - Logistics & Supply Chain Platform

- Architected and delivered an end-to-end logistics and order management platform, using Java + Spring Boot microservices, PostgreSQL, and REST APIs, enabling ~100% digital order flow from placement → delivery → settlement across multiple user roles.

- Designed a domain-driven order lifecycle system (multi-item, recurring weekly/biweekly/monthly orders, state machine workflows), reducing manual operations ~60% and enabling fully automated fulfillment at scale.

- Built secure, role-aware authentication and authorization using Spring Security, JWT, Google OAuth SSO, RBAC, protecting financial and operational data for FARMER / RESTAURANT / COURIER / ADMIN users.

- Implemented financial workflows (balances, deposits, withdrawals, invoicing, bank transfers) with transactional guarantees, enabling automatic settlement on delivery completion and eliminating manual reconciliation.

- Designed real-time shipment tracking infrastructure using WebSockets, enabling live courier status updates and improving delivery visibility for all stakeholders.

- Led AI-powered virtual assistant development, integrating OpenAI APIs + PDF context extraction, reducing support response time ~40% and offloading repetitive operational questions.

- Built secure document and media storage pipelines (multi-image uploads, PDFs, access-controlled serving), supporting both operations and downstream AI use cases.

- Owned frontend architecture in Angular 19, delivering real-time dashboards, role-based workflows, and logistics tooling tightly coupled with backend services.
- Implemented Google-Calendar-style recurring order scheduling, complex timelines, and live dashboards using RxJS Signals, PrimeNG, Tailwind, Chart.js, improving planner efficiency ~35%.
- Integrated geolocation and routing via Leaflet + OSRM, visualizing farm locations, courier routes, and optimized delivery paths for operations teams.
- Established reactive state management with RxJS Observables & Signals, reducing unnecessary API calls ~30% and improving UI consistency under real-time updates.
- Authored and maintained OpenAPI/Swagger documentation, accelerating onboarding for new engineers and reducing backend/frontend integration bugs.
- Partnered directly with founders and non-technical stakeholders, translating evolving business needs into scalable technical solutions while keeping production stable over multi-year timelines.

GenPenAI – Enterprise AI CTO Platform

- Designed and built an AI-driven system that converts business requirements into production-ready applications, reducing concept-to-deployment time from weeks to hours.
- Architected backend services with Java + Spring Boot, exposing extensible APIs for AI orchestration, code generation, and multi-environment outputs.
- Built an interactive React + TypeScript frontend enabling step-by-step AI-guided system design, real-time collaboration, and architecture visualization.
- Implemented AI orchestration pipelines using LLMs to generate backend services, frontend components, schemas, infra configs, and documentation aligned with enterprise standards.
- Developed DDD-based modeling workflows, automatically converting entities, relationships, and permissions into APIs, DB schemas, and UI scaffolding.
- Built code-generation pipelines enforcing layered architecture, DTOs, validation, logging, and security, producing maintainable enterprise-grade codebases.
- Enabled multi-environment outputs (local / staging / production) with stack-aware configurations for cloud-ready deployments.
- Auto-generated OpenAPI specs and developer documentation, improving onboarding speed and long-term maintainability.

Full Stack Developer   Oct 2023 – Oct 2024

Sophiaverse.AI   *Hong Kong (Remote)*

- Led frontend architecture for a Web3 metaverse platform, using React, Tailwind, GSAP, serving a global crypto audience.
- Optimized dashboard performance by reducing bundle size, tuning rendering paths, and optimizing animations, improving load time ~40%.
- Integrated Web3 wallet authentication (MetaMask-compatible flows) enabling secure token and asset ownership interactions.

- Built blockchain-aware UI flows for NFTs and tokenized assets used inside Unity-powered metaverse experiences.
- Designed GraphQL APIs, reducing over-fetching and simplifying complex client data dependencies.
- Implemented CI/CD pipelines using Docker, Bitbucket, Nginx, PM2, enabling low-risk production deployments.
- Collaborated with Unity game engineers, ensuring consistent asset ownership and real-time state sync across web and in-game systems.

Frontend developer   May 2019 – Dec 2020

Freelancer.com/Upwork.com

- Delivered React and Angular dashboards for fintech, SaaS, and e-commerce clients handling payments, fraud signals, and admin workflows.
- Built reusable Angular component libraries, improving delivery speed across multiple engagements.
- Integrated real-time data flows using Firebase auth and syncing, enabling fast iteration with minimal backend overhead.
- Optimized frontend performance, reducing unnecessary re-renders and tuning Angular change detection.
- Worked fully remote across time zones, managing multiple clients while consistently shipping production-ready features.

Education

Kainar University, Almaty | BSc. In Computer Science**,** Sep 2016 – May 2019

Skills

- **Frontend Engineering:** Angular (v19), React, Next.js, TypeScript, JavaScript (ES6+), Tailwind CSS, PrimeNG, Material UI, GSAP, Chart.js, RxJS (Observables & Signals), Responsive & Role-based UI Design, Real-time Dashboards, Calendar & Timeline Visualizations
- **Backend & APIs:** Java, Spring Boot, Python/Django Spring Security, RESTful APIs, GraphQL, Microservices Architecture, JPA/Hibernate, Authentication & Authorization (JWT, OAuth 2.0, RBAC, Google SSO), WebSockets, Secure API Design, Domain-Driven Design (DDD)
- **AI & Automation:** OpenAI API, LLM Integrations, AI Orchestration, Prompt Engineering, AI-powered Virtual Assistants, Document & PDF Context Extraction, Code Generation Systems, AI-assisted Application & Documentation Generation, VAPI (Voice AI)
- **Cloud & DevOps:** Docker, AWS (EC2, S3), Nginx, PM2, Netlify, CI/CD Pipelines (Bitbucket, Netlify), Environment Management, Scalable Deployment Architectures
- **Data, Payments & Storage:** PostgreSQL, MySQL, Firebase, Transaction & Payment Workflows, Invoicing Systems, Bank Transfers, Account Balances, File & Document Storage, Secure Media Serving