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## ABOUT

I'm a **Full-Stack Engineer** focused on designing and delivering **reliable, data-driven web platforms** that scale gracefully and perform under real-world conditions. I've led end-to-end product development – from shaping requirements and architecting systems to automating builds and deployments – while maintaining a strong emphasis on code quality, maintainability, and developer experience. My background blends object-oriented and functional programming, microservice design, and modern UI engineering to create fast, resilient, and user-focused solutions.

Beyond development, I'm passionate about **technical growth and product impact**. I stay curious about how AI and automation can transform user experience, and I share my learnings through **writing and open knowledge**, documenting patterns and best practices that help other engineers build better systems.

## SKILLS

**Development:** Node.js, NestJS, Express.js, TypeScript, REST & WebSocket APIs, Prisma ORM, PostgreSQL, MySQL, Redis, Kafka, RabbitMQ, Microservices Architecture, Event-Driven Systems, Domain-Driven Design (DDD), CQRS & Saga Patterns, API Gateway & BFF Pattern, Docker, AWS (EC2, ECR, Lambda, RDS, API Gateway), Azure (Functions, AKS, Cosmos DB, SQL Database), CI/CD (GitHub Actions, Docker Compose), React, Next.js (App Router, SSR, SSG, PWA), Redux Toolkit, Tailwind CSS, Material UI (MUI), HTML5, CSS3, SCSS/SASS, SEO & Performance Optimization, Monolith-to-Microservices Migration, Chatbot Automation (Telegraf, OpenAI API), Payment Integrations (Stripe, PayPal), Java (Spring Boot).

**Other:** System Design & Architecture, API Contract Design (OpenAPI/Swagger), Database Modeling & Normalization, Caching & Data Partitioning Strategies, Fault Tolerance & Resilience Patterns, Observability & Logging, Infrastructure as Code (IaC), Container Orchestration, Load Balancing & Scalability, Security Best Practices (JWT, OAuth2, OWASP, HTTPS, CSRF, CSP), Agile & Scrum Methodologies, Technical Documentation, Code Reviews & Mentorship, Unit & Integration Testing, Performance Monitoring & Load Testing, Cloud Cost Optimization, Cross-Team Collaboration, Product Thinking, UX Awareness, Communication & Leadership.

## EXPERIENCE

XERCES – 2025, 2 MONTHS

Full-Stack Engineer & Technical Lead | Confidential E-Commerce Platform

- Designed and delivered a **full-stack commerce platform** using **Next.js 15 (App Router)**, **TypeScript**, and **Prisma ORM**, completing an MVP in **under 8 weeks** with full catalog, cart, and checkout flows.
- Improved perceived load times by ~35 %** through Suspense-driven navigation, lazy fetching, and optimistic client updates, **achieving an app-like UX on mobile and desktop**.
- Implemented variant-aware cart logic** with secure cookie fingerprints and Prisma indexes, reducing duplicate cart records and improving cart reconciliation speed by **~40 %**.
- Integrated **Stripe Checkout** end-to-end, achieving **100 % payment success** in staging with secure metadata handling for post-payment verification.
- Implemented secure authentication via **NextAuth Credentials Provider**, **bcrypt password hashing**, and **JWT sessions**, ensuring persistent **cross-device sessions**.
- Containerized** and standardized the **build pipeline with Docker + Node 18**, cutting environment inconsistencies and setup time by **> 80 %**.
- Seeded a marketing-rich catalog (tags, variants, features) via custom Prisma scripts, enabling scalable PDP storytelling and rapid iteration.
- Authored technical documentation** outlining architecture, data model, Stripe integration, and onboarding to accelerate knowledge transfer.

**Technologies:** Next.js 15, React 18, TypeScript, Tailwind CSS, Prisma ORM, PostgreSQL, Stripe Checkout, NextAuth (JWT Sessions), Docker, EmailJS, GitHub Actions (CI/CD planned).

FORAPAY – 2022-2025, 3 YEARS

Solutions Architect & Full-Stack Lead | Fintech Platform

- Designed and led** development of a **distributed, microservice-based fintech platform** supporting authentication, wallets, and crypto-trading with a two-person core backend team.
- Built a Next.js 14 PWA** with **TypeScript**, **Redux Toolkit Query**, and **Tailwind CSS**, using **WebSockets** (STOMP) for KYC and transaction updates.

- Implemented Spring Boot 3.2 services behind a Spring Cloud Gateway, coordinating asynchronous workflows via Kafka 7.x and PostgreSQL per-service persistence.
- Developed REST and WebSocket **integrations with external** KYC identity-verification, trading, and market-data **APIs**.
- Automated local and staging environments via **Docker Compose**, **Gradle** image builds, and centralized config through **Spring Config Server + Eureka Discovery**.
- **Improved reliability** with retry logic, idempotent **Kafka** consumers, and structured **SLF4J logging** for unified tracing.
- **Reduced frontend latency by ~40 %** by replacing polling with **WebSocket** notifications.
- Established **CI/CD pipelines** and review standards with DevOps & QA, **cutting deployment time by > 90 %**.
- **Advised** leadership and potential API partners on **integration strategy and technical feasibility**.
- Enforced **JWT-based security**, **RBAC**, and containerized **secret management**.
- Authored concise **architecture and deployment documentation** to streamline onboarding and scaling.

**Technologies:** Next.js 14, React 18, TypeScript, Redux Toolkit Query, Tailwind CSS, WebSockets (STOMP), Spring Boot 3.2, Spring Cloud Gateway, Spring Security (JWT/RBAC), Spring Data JPA, Kafka 7.x, PostgreSQL, Gradle, Docker Compose, Spring Config Server, Eureka Discovery, SLF4J Logging, Azure VMs, GitHub Actions (CI/CD).

## TOGETHER MADE SIMPLE – 2025, 6 MONTH

### Full-Stack Developer | Platform Automation & Client Engagement

- **Architected and developed** a mental-health **SaaS platform** with a Next.js 15 web app, NestJS microservices, and Prisma ORM with PostgreSQL, providing end-to-end scheduling, content, and client management workflows.
- Designed and built a high-converting **marketing landing page** integrated with lead capture and analytics, **increasing client inquiries by ~30%**
- Implemented **secure JWT authentication with role-based access control** for therapists, clients, and admins, ensuring **isolated data access** and full **session persistence**.
- Built a complete **appointment booking and scheduling system** linking sessions, shared files, assessments, and payments, reducing manual coordination by **~40%**.
- **Developed** interactive **clinical assessments**, journaling, and homework tools powered by logic-driven scoring and progress tracking, **automating manual therapist work**.
- **Integrated a Telegram chatbot for automated** onboarding, reminders, and journaling prompts, improving user engagement and response rates, by **~45%**.
- **Designed modular Prisma data** for users, sessions, content, and payments, **enabling analytics and structured reporting** across services.
- **Containerized** the full stack with **Docker Compose**, added **CI/CD workflows** via **GitHub Actions**, and **deployed to AWS (ECR + EC2)** with environment-based configurations for dev and prod.
- Enhanced **UI performance and security** using cookie-based auth in the BFF layer, HTTPS routing, and TLS-backed Redis/PG connections.

**Technologies:** Next.js 15, React 18, NestJS, Express.js, TypeScript, Prisma ORM, PostgreSQL, JWT Auth, Redis, Telegraf Chatbot, Tailwind CSS, Docker, AWS EC2/ECR, GitHub Actions, Nodemailer, Zod Validation.

## MISOLLA PARTNERS GROUP LTD – 2021-2022, 1 YEAR

### IT Support & Junior Web Developer | SQL, CMS Development

- Contributed to the **company's digital modernization** by combining **IT support** and **web development** responsibilities.
- Improved **website design and functionality** with updated layouts and **secure contact forms**.
- **Migrated** company websites, databases, and email **systems to new hosting, managing domains, DNS**, and **SSL certificates** with minimal downtime.
- **Implemented MySQL-backed client data storage** and integrated form submissions with backend systems.
- **Managed hosting and email infrastructure**, setting up team accounts, auto-replies, and secure communication systems.
- Provided **ongoing IT support**, resolving **technical and networking issues** across office systems.

**Technologies:** SQL, WordPress/CMS, HTML5, CSS3, React.js, Express.js, Node.js, Email Infrastructure Management, REST API, Git.

## EDUCATION

MIREA - RUSSIAN TECHNOLOGICAL UNIVERSITY, MOSCOW – BACHELOR (INCOMPLETE), 2020-2021

Computer Science

MOHAWK COLLEGE, HAMILTON – DIPLOMA IN COMPUTER SCIENCE, 2021-2024

Software Development