Dmytro Syniak Full-Stack Software Engineer

Email: syniakdima@gmail.com | Portfolio: syniak.dev

LinkedIn: linkedin.com/in/syniakdima | Telegram: t.me/syniakdima

SUMMARY

Result-oriented Full Stack Engineer with **nearly 6 years of experience** building scalable SaaS platforms. Specialized in developing **high-load distributed systems** using **TypeScript**, **Node.js** (**Nest.js**), and **Docker**. Proven track record of optimizing infrastructure for **400+ concurrent processes**, significantly reducing operational costs. Experienced in implementing complex asynchronous flows with **Redis/BullMQ** and building reactive UIs with **React/Next.js**. Focused on delivering maintainable code (**SOLID, CI/CD, FSD**) that solves business challenges.

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript (ES6+), SQL.
- **Backend:** Node.js, Nest.js, Express, RESTful API, WebSockets, BullMQ (Message Queues).
- **Frontend:** React, Next.js, Redux Toolkit, TanStack Query, TailwindCSS.
- **Database & Storage:** PostgreSQL, Redis, Prisma ORM, TypeORM, SQL Optimization.
- **Infrastructure & DevOps:** Docker, Docker Engine API, Linux (Bash), CI/CD (GitLab/GitHub), Git.
- **Architecture & Concepts:** High-Load Systems, Microservices, OOP, SOLID, Feature-Sliced Design (FSD), Agile.

JOB EXPERIENCE

Consulting for AdTech & Digital Marketing Agencies (NDA)

Jan '23 – Dec '25 (2 years 11 months) — Full Stack Engineer (High-Load Systems)

Developed and optimized a distributed SaaS platform for automating digital asset management across multiple social media platforms. The system handles **400+ concurrent complex workflows**, ensuring high availability and reliable integration with third-party services.

- **Infrastructure Automation:** Implemented a cost-efficient container management system based on **Docker Engine API** running on **Linux** bare metal servers. This eliminated the overhead of complex orchestration tools and allowed granular control over **400+ isolated containers** for parallel processing.
- **Performance Optimization:** Migrated the core automation logic from resource-heavy browser automation to a lightweight **custom REST API client (Node.js)**. This reduced RAM consumption per thread by **90%**, enabling the business to scale capacity **4x** on the same hardware.
- **Business Logic Configuration:** Implemented a declarative execution engine that interprets **JSON-based business scenarios**. This enabled "hot-reload" of automation logic without code redeployment, allowing instant adaptation to updates in external APIs.
- **Reliable Async Processing:** Built a robust background job processing system using **Redis** and **BullMQ** for stateful workflows. Designed a "Shared Resource" pattern for handling rate-limited external integrations (SMS services, Network Gateways) with global throttling.
- **Control Plane Development:** Developed a reactive Admin Dashboard (**TypeScript, Next.js**) with real-time monitoring via **WebSockets**, allowing operators to track the status of active threads and manage infrastructure health.
- **Data Layer:** Optimized complex database queries and transactions in **PostgreSQL** to support high-throughput concurrent operations.

Founder & Full-Stack Developer

Feb '20 – Dec '22 (2 years 10 months) — E-commerce Platform for In-Game Digital Assets

Bootstrapped and developed a profitable e-commerce platform for digital gaming services. Managed the entire product lifecycle from initial MVP launch to scaling the system for **17,000+ customers**.

- **Full-Stack Architecture:** Designed and implemented the system using **Node.js (Express)** and **Vue.js**, delivering a responsive SPA and scalable RESTful API.
- **Business Logic:** Engineered commercial features including a **cashback system** and flexible **promotional codes**, which significantly increased customer retention.
- **Database Design:** Designed a normalized relational schema in **PostgreSQL** to securely store user balances and transaction history, ensuring data integrity.
- **Payments & Security:** Integrated secure **payment gateways** and designed reliable checkout flows, handling thousands of successful transactions.
- **Operational Tools:** Developed a custom **Telegram Bot** serving as a real-time mobile admin interface for instant order alerts and control.

EDUCATION

Zhytomyr Polytechnic State University
Master's degree in Computer Software Engineering | Sep '19 – Dec '20
Bachelor's degree in Computer Software Engineering | Sep '17 – Jun '19

Berdychiv Professional College of Industry, Economics and Law
Professional Junior Bachelor in Software Development | Sep '13 – Jun '17

LANGUAGES

Ukrainian (Native); English (Upper Intermediate — B2)