VALERII VVEDENSKYI

SENIOR FULL-STACK SOFTWARE ENGINEER | BACKEND, MOBILE & CLOUD

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PROFESSIONAL SUMMARY

Full-stack software engineer with **6+ years of commercial experience** building web, mobile, and backend applications, with hands-on technical leadership across architecture, implementation, and production operations. Experienced with **TypeScript, React, Next.js, NestJS, Flutter, and PostgreSQL**; event-driven microservices, API integrations, and cloud deployments. Delivered end-to-end systems spanning client applications, distributed services, data synchronization, DevOps workflows, and AI-enabled features.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Dart, Swift

Frontend & Mobile: React, Next.js, Tailwind CSS, Flutter, iOS, Android, UIKit, SwiftUI, RxSwift

Backend & Architecture: Node.js, NestJS, Express.js, REST APIs, microservices, event-driven architecture, offline-first systems

Data & Messaging: PostgreSQL, Supabase, Firebase, Google Cloud SQL, RabbitMQ, Redis, WebSockets

Cloud & DevOps: IBM Cloud, Google Cloud Platform (Cloud Run, Cloud Storage, IAM), Docker, GitHub Actions, CI/CD, Vercel, Cloudflare, DNS

AI & Integrations: IBM watsonx.ai, OpenAI API, Replicate, generative AI integrations, third-party analytics and live-data APIs

PROFESSIONAL EXPERIENCE

Senior Full-Stack & Mobile Engineer | Fitofan

Toronto, Canada | Aug 2024 - Apr 2026

- Owned end-to-end delivery of web and mobile features, from software design and API development to database integration, infrastructure configuration, and production releases; contributed to technical architecture and code quality decisions.
- Developed React and Next.js web applications and TypeScript backend services using **NestJS, Node.js, and Express**, implementing business logic, REST APIs, and reusable components.
- Designed **event-driven microservice integrations** with RabbitMQ, supporting asynchronous communication, message-based workflows, and synchronization of operational data across independent services.
- Built data flows involving organizational structures, user records, training and attendance information; worked with **PostgreSQL, Supabase, Firebase, and Google Cloud SQL**.
- Developed **Flutter** mobile applications and offline-first workflows, including local-network communication, real-time updates, and data synchronization after connectivity is restored.
- Integrated third-party APIs for social account analytics and engagement metrics across platforms including Instagram, Facebook, TikTok, and LinkedIn, using supported external integration services.
- Integrated external sports-data feeds providing live scores, match events, statistics, and text commentary; developed client-side workflows consuming real-time updates.
- Integrated **OpenAI API, Replicate, and IBM watsonx.ai** for LLM and generative image capabilities; participated in R&D involving AI-assisted sports analysis and judging concepts.
- Contributed to an experimental **IBM watsonx.ai predictive ML** initiative using historical competition statistics to explore outcome forecasting; work remained at the prototype stage.

Fitofan | Experience continued

- Provisioned and maintained **IBM Cloud** servers running Docker-containerized backend services and Redis; configured services across Google Cloud Platform, including Cloud Run, storage, and access controls.
- Maintained development and production environments, deployments, DNS, Cloudflare, and **GitHub Actions CI/CD**; developed native Swift/iOS functionality supporting Amazon IVS live-streaming workflows.

iOS Engineer | Y-Tree

Dnipro, Ukraine / London, UK | Jan 2020 - Nov 2023

- Built and maintained native iOS applications using **Swift, UIKit, SwiftUI, and RxSwift**, collaborating with design and engineering teams on feature delivery and application stability.
- Modernized five major application flows from Xamarin Forms and UIKit to SwiftUI and the Composable Architecture; migrated additional flows to Swift/UIKit and RxSwift.
- Developed 20+ application screens, implemented RxFlow navigation, and integrated third-party identity verification (KYC) and Open Banking SDKs.
- Implemented native UI components and improvements; carried out debugging, testing, and maintenance of production application functionality.

Junior Backend Engineer | Sunrose

Dnipro, Ukraine | May 2019 - Jan 2020

- Developed and maintained an e-commerce web application, contributed to backend functionality and selected layered architecture improvements, and optimized the mobile web experience.

EDUCATION & TRAINING

Dnipro University of Technology | Higher Education, Electromechanical Systems of Automation and Electric Drive | 2010 - 2015

IT STEP Academy | Software Development | 2017 - 2020

GeekBrains | iOS Development | 2021 - 2022