

# Bohdan Ilienko

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Full Stack Engineer

## PROFESSIONAL SUMMARY

Full Stack Engineer with 3.5 years of experience and a Computer Science degree, delivering end-to-end web and mobile applications. Skilled in TypeScript, NestJS, React, and React Native, with practical experience in system design, API development, mobile deployment (Expo, EAS), and CI/CD. Known for taking ownership of features, solving complex problems, and contributing to reliable, production-grade systems.

## SKILLS

**Programming Languages:** JavaScript, TypeScript, SQL, Bash

**Version control systems:** Git, GitHub, GitLab, Understanding Git Flow, Monorepo architecture

**Databases and tools:** MongoDB, Redis, PostgreSQL, MySQL, TypeORM, Mongoose, Sequelize, Prisma, DynamoDB, Redis (sessions, caching)

**Back-end tools:** Node.js, Nest.js, Express.js, Jest & Mocha, Unit/Integration/E2E tests, Microservices, Swagger (Open API), Passport JS, JWT, Cron, metrairia/impress, SSO auth, Session-based authentication, OpenAI API integration

**Front-end tools:** ReactJS, Redux Toolkit, RTK Query, Material UI, antd, Tailwind CSS, HTML & CSS, SASS, Bootstrap, Axios, GraphQL (Apollo Client)

**Mobile:** React Native, Expo, Expo Application Services (EAS), EAS Build, EAS Update (OTA), TestFlight, App Store deployment

**Protocols:** REST, GraphQL, Websockets, AMQP (RabbitMQ, Apache Kafka), MQTT, JSTP, gRPC

**AWS/DevOps:** Docker, Kubernetes, CI/CD Pipelines, GitHub Actions, DigitalOcean, EC2, RDS, EKS, Cognito, S3 Bucket, Lambda, Amplify, Application deployment, Environment configuration

## WORK EXPERIENCE

### Full Stack Developer, ARTADIAN GAMING LLP, Full Time

Feb 2025—Present

- Develop and maintain internal services and tooling using TypeScript / Node.js / NestJS.
- Build and evolve REST APIs, background jobs, and service integrations; maintain API contracts and documentation (Swagger/OpenAPI).
- Work with Redis (sessions/caching) and databases (MongoDB / PostgreSQL) to improve performance and reliability.
- Support asynchronous and realtime workflows using messaging/protocols (RabbitMQ/Kafka/MQTT, WebSockets, gRPC).
- Participate in code reviews, refactoring, and CI/CD-driven delivery (Docker, GitHub Actions).

### Full Stack Developer, Silinexx, Full Time

Mar 2024 — Sept 2025

- Delivered features for internal web systems across backend and frontend using Javascript, Express.js
- Implemented and maintained authentication flows (session-based auth) and access control.
- Improved code quality through refactoring, reviews, and test coverage (unit/integration/e2e; Jest/Mocha).
- Worked with PostgreSQL/MongoDB and optimized queries/indexing where needed; resolved production issues and regressions.
- Collaborated with the team on planning, estimates, and stable releases (incremental delivery, bug-fix cycles).

### Full Stack Developer, Wnet, Full Time

May 2022 — Nov 2023

- Built and supported internal web applications; implemented backend logic and REST endpoints.
- Improved performance and stability via profiling, query optimization, and targeted refactors.
- Reviewed and refactored legacy modules to increase maintainability and reduce technical debt.
- Collaborated with developers on delivery planning and best practices (code reviews, conventions, release support).

## PERSONAL PROJECTS

### Book portfolio

Jan 2024 - Jan 2024

[GitHub](#) • [Preview](#)

A template for my friend's portfolio, made in React in the form of a book. It has adaptability for mobile devices.

- Technologies: React, Vite, Typescript, i18n (for localization)

### Ticketing

Sep 2023 - Nov 2023

[GitHub](#)

A microservice application that contains logic for selling and ordering tickets

- Structure: users can put up tickets for sale, buy and book them at the time of payment by card. There is protection with the help of JWT
- CRUD: Users have a password for tickets and their profile
- Technologies: Node.js, TypeScript, Express.js, REST, MongoDB, Mongoose, Git, Docker, DigitalOcean, Kubernetes

### Skillhub

Sep 2023 - Dec 2023

[GitHub](#) • [GitHub\(Client\)](#)

SkillHub is an online system for creative people who want to share their creativity and learn something new or acquire a new skill. Enables discussions on various topics.

- Structure: Users can create accounts, posts, articles, comment on publications, and like other users' publications. It has the functionality of chat rooms and forums.
- Roles: Users have access to the basic stuff, while administrators have access to all tables and records. Roles are implemented using JWT.
- Technologies: Node.js, NestJS, ReactJS, Redux Toolkit, TypeScript, REST, MongoDB, TypeORM, Git, Docker, Kubernetes, DockerCompose.

## LANGUAGES

### English

I have a command of the language at a level sufficient for work and effective communication with the team.

### Ukrainian

I can freely communicate in this language.

## EDUCATION

### Bachelor of Science, Computer Science

Sep 2021 - Jun 2025

Kharkiv National University of Radio Electronics