Oleksii Bondarenko

Technical Lead/Senior Full Stack Developer

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With over 9 years of experience as a developer and tech lead, I have a proven track record of starting projects from scratch, organizing processes and teams, managing client expectations, and successfully launching projects into live environments. My expertise spans the entire project lifecycle, from defining system architecture to ensuring high code quality and addressing business needs. I am committed to delivering high-quality work with sharp attention to detail and a focus on meeting project goals and deadlines.

Expertise

- Main programming languages: **TypeScript, JavaScript**
- Databases: PostgreSQL, MongoDB (DocumentDB), MySQL
- Backend: **NodeJS, NestJS,** Express
- Front-end: **React, NextJS,** React Native, Expo, Angular, Ember JS, D3, ThreeJS
- Infrastructure: **AWS, Terraform, Jenkins**, **GitHub Actions**, Nginx, Linux Server Management
- Secondary programming languages: Java, PHP, Python, understanding of low-level programming and functional programming
- Other: RabbitMQ, **GraphQL**, ElasticSearch
- Languages: Ukrainian (native), **English** (full working proficiency)

Experience

Bilberry — *Technical lead*   2017 – present
Developed and released into production several solutions for our clients:

- **Loyalty program for the biggest wedding dress retailer in the US**   Duration: 3 years
    - **Description:** highly accessible system with 2M users, crucial part of the business, was built and launched by my team. System has several microservices as well as multiple integrations with external and internal systems. We implemented the development process, QA process and release shipment process, monitoring, logging, analytics. The system has a feature rich back office.
    - **Responsibility:** Architecture design, release planning, code review, development lead, teams alignment, meetings with business team, requirements gathering, performing technical interviews
    - **Team size:** dev team 5+, business team 20+
    - **Tech stack:** NodeJS, MongoDB (DocumentDB), NestJS, Mongoose, GraphQL, React, Apollo, Microservices, Docker, AWS services, Terraform, Jenkins, Github Actions, Jest

- **Form builder for famous pharma company**   Duration: 9 months
  - **Description:** frontend app that could generate dynamic forms with complex flows and admin panel where this flows could be designed
  - **Responsibility:** tech lead of the project, client communication, worked closely with client's devOps team
  - **Team size:** 5
  - **Tech stack:** NodeJS, React, AWS services, serverless approach

- **Mirror protocol on Solana blockchain**
  - **Description:** MVP for trading with synthetic assets, expertise gaining project
  - **Responsibility:** deep dive into existing blockchains, research on oracles and automatic market makers
  - **Team size:** 2
  - **Tech stack:** Rust, Anchor, React

- **[Offline first react native app for medical volunteers in Africa](#)**
  - **Description:** mobile app that utilized AWS Amplify Datastore and AppSync
  - **Responsibility:** I was assigned to this project to solve ongoing problems with experimental AWS stack. Worked on offline mode and data synchronization
  - **Team size:** 5
  - **Tech stack:** React Native, Redux-persist, Amplify, NextJS

- **Quiz builder application for wedding retailer**
  - **Description:** framework for building custom quizzes, utilized monorepo project structure as there are several custom tuned quizzes
  - **Responsibility:** tech lead
  - **Tech stack:** NodeJS, Postgres, NestJS, TypeORM, React, NextJS, Redux, i18n

- **Wedding brandbook generator app**
  - **Description:** the app used a set of tagged images and tagged quiz options in order to build a personalized brandbook
  - **Responsibility:** tech lead
  - **Tech stack:** NodeJS, Postgres, NestJS, TypeORM, React, NextJS, Redux

- **Text classification app in ML domain**   Duration: 2 years
  - **Description:** application for parsing structured text documents, running text classifications using existing models, building training datasets and training models on them. Due to the nature of incoming data the app was heavily relying on streaming capabilities of NodeJS as storing data in-memory was not an option.
  - **Responsibility**: full stack development
  - **Team size:** 5
  - **Tech stack:** NodeJS, MongoDB, Express, Angular, custom built TCP (SSL) server on Java, Chatterbox engine, Docker, Socket.io

- **[RFID coverage display tool](#)**
  - **Description:** Tool that allows users to model a floor plan, arrange gateway and receiver devices and see their wireless coverage heatmap

- ○ **Responsibility**: full stack development
- ○ **Tech stack:** NodeJS, MongoDB, Express, EmberJS, D3, ThreeJS, Docker

- ● **Website builder for the gift registry website**
  - ○ **Description:** worked on search improvements, built a fuzzy search feature using ElasticSearch
  - ○ **Responsibility**: full stack development,
  - ○ **Tech stack:** Postgres, ElasticSearch, RabbitMQ, PHP, React

- ● **Solutions for Uber for helicopters startup**
  - ○ **Responsibility**: full stack development
  - ○ **Tech stack:** NodeJS, Postgres, NestJS, React, Docker

BinTime – *Full Stack developer*   2015 – 2017

- ● Developed a highly available system for processing unstructured documents for a leading Dutch e-commerce website, utilizing PHP daemons and RabbitMQ messaging.
- ● Designed and implemented a robust CI/CD environment to maintain and improve the system's reliability.
- ● Refactored legacy code to enhance system stability and performance.
- ● Contributed to front-end development using Backbone/MarionetteJS framework

ART studio – *PHP developer*   2013 – 2015

- ● Wrote and implemented scripts to enhance user experience and integrated them with the Opencart CMS, Joomla
- ● Maintained a VPS server to ensure optimal system performance.
- ● Created HTML markup for provided PSD templates to produce visually appealing web pages.

Education

Kyiv National University of Construction and Architecture

Master of Arts - MA, Computer Science

2012 - 2017