Valentyn Mikoliuk

Software Engineer

📍 **Kyiv, Ukraine**

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EDUCATION

Photonics

NTUU "Igor Sikorsky Kyiv Polytechnic Institute",
Faculty of Instrumentation Engineering, Department of
Optical and Optoelectronic Instruments (OOEP)

2011 – 2017

LANGUAGES

Ukrainian - native
Russian - native
English - intermediate/upper-intermediate

PROFESSIONAL SUMMARY

Senior Software Engineer specializing in React and
Node.js ecosystems, with deep experience in
enterprise-grade microservices architectures.
Passionate about clean code, system design, and
large-scale refactoring. Successfully led frontend
modernization initiatives, performance optimizations
(e.g., Vite migration yielding >10× faster dev startup),
and implemented secure authentication solutions in
complex distributed systems.

TECH SKILLS

Frontend

React, React Native, TypeScript, Redux (Saga),
TanStack, Styled-Components, Apollo GraphQL,
Playwright

Backend

Node.js, NestJS, Express, Fastify, GraphQL, Apollo
Server, TypeORM, Prisma, gRPC, Jest

Databases

PostgreSQL, MongoDB, MySQL

DevOps & Tools

Docker, k8s, Vite, Webpack, Auth0

SOFT SKILLS

Teamwork Flexibility Adaptability
Communication Creativity
Problem solving Analytical thinking

INTERESTS

Music Cycling Self development
Philosophy

WORK EXPERIENCE

Software Engineer

"StartupCraft Inc" | *06/2022 – 12/2025*

WorkAxle – Enterprise Workforce Management Platform (Modular WFM Solution for Scheduling, Time & Attendance, Compliance, and Employee Engagement in Large Organizations)

Tech: React, Apollo, GraphQL, gRPC, Node.js, NestJS, PostgreSQL, TanStack, Auth0, Cursor

Key contributions:

- Spearheaded migration from Webpack to Vite, achieving >10× faster project startup and dramatically improving developer productivity/iteration speed
- Led complete refactor and security enhancement of signup/signin flows using Auth0: implemented global session logout, forced logout, timeout enforcement, and consistent handling across frontend, mobile and backend
- Drove frontend architecture and code quality: established modern style standards, introduced scalable patterns, and executed large-scale legacy refactoring for better performance and maintainability
- Designed and delivered export/import integrations plus enhanced report generation for labor costs, attendance trends, compliance, and operational insights—enabling seamless data migration from client systems and better decision-making
- Collaborated with technical leads to propose and implement key architectural improvements; conducted in-depth code reviews to maintain high standards and foster team-wide best practices

Software Engineer

"Forte Group" | *09/2020 – 07/2021*

GolfNow CRM Platform (Enterprise Golf Course & Customer Management System – Part of a 25+ Year Legacy Golf Booking & Operations Ecosystem)

Tech: React, Styled-Components, Node.js, HappyJS, Mongo, PostgreSQL, Docker, k8s, Jest

Key contributions:

- Delivered complete end-to-end features (frontend, backend, full test coverage) for new and updated CRM functionalities managing customer/operating data in a complex microservices environment (~20 services, mixed DBs: MongoDB/PostgreSQL/Elasticsearch)
- Achieved 95+% test coverage across implemented features by writing comprehensive unit/integration tests, including challenging edge cases and complex scenarios, ensuring high reliability in a production-scale system
- Led design and implementation of a dedicated configuration microservice: selected tech stack, built the service from scratch, and developed secure iframe integration for dynamic, real-time config setup within the main application
- Collaborated closely with product managers to define requirements and deliver high-quality solutions, ensuring features met business needs with strong performance and reliability

Fullstack developer, DevOps

"Personal project" | *02/2020 – 07/2020*

Cinemator – Film Production Prop & Scene Management Tool (Personal Side Project: Digital Requisite Tracker with Calendar, Locations, and Inventory Filtering)

Tech: TS, React, Apollo, Styled-Components, GraphQL, Node.js, NestJS, TypeORM, PostgreSQL, Docker

Key contributions:

- Served as architect: selected full tech stack, designed database schema, and defined core features to eliminate paper-based prop/requisite tracking for film productions
- Built complete backend from scratch: implemented calendar-based scene scheduling, location assignment, per-scene inventory lists, relational data models, and advanced filtering to track item usage across scenes/locations/days
- Set up secure authentication system with multi-project support and established initial web frontend boilerplate for seamless integration
- Containerized entire application with Docker and deployed/maintained production instance using Dokku — enabling consistent dev/prod environments and easy scaling
- Collaborated with co-developer on frontend implementation while ensuring clean architecture and reliable API integration throughout

Fullstack developer

"Reaktivate" | *06/2019 – 11/2019*

Construction Site Management CRM & Mobile App (Digitalization of On-Site Paperwork for Buildings and Tasks)

Tech: JS, React, Redux (Thunk), Styled-Components, React-Native, Firebase, Heroku

Key contributions:

- Led major refactoring of a large, legacy React Native mobile codebase: cleaned up messy code, refactored existing screens, and built new pages/features—greatly improving performance, maintainability, and on-site usability for construction teams
- Implemented full Hebrew (RTL) multilingual support using React Native i18n tools: handled right-to-left layouts, text direction, UI mirroring, and start/end styling—enabling seamless adoption by Israeli field crews
- Designed and delivered a complete new backend feature for generating large-scale reports from internal data, plus automated mailing logic—replacing manual paperwork with efficient, stakeholder-ready outputs
- Conducted daily client calls for requirements gathering, business analysis, and solution proposals—ensuring features aligned perfectly with real construction workflows and business needs

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JavaScript developer

"AgileNix" | *06/2018 – 05/2019*

Web Tutorial Injector & CRM Platform (SaaS for adding hints/tutorials to legacy websites)

Tech: JS, React, Redux, Apollo, GraphQL, Styled-Components, Node.js, Prisma, MySQL

Key contributions:

- Refactored core JavaScript injector script to enable reliable dynamic rendering of DOM-anchored hints and interactive tutorial editing — significantly improving stability and cross-browser compatibility
- Built and enhanced visual editing interface using iframe embedding: allowed real-time selection, positioning, and preview of hints/tutorials anchored to page elements
- Implemented secure data fetching and overlay rendering logic: ensured hints loaded correctly over target sites without source code changes, delivering seamless user guidance
- Extended backend with new/updated API routes to support hint storage, project management, mailing, and Stripe subscription features — enabling full CRM functionality for users
- Refactored and modernized several frontend pages: improved usability, code quality, and maintainability across the existing platform

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Judicial Expert

Kyiv Research Institute of Forensic Expertise (KFI)

01/2016 – 2/2018