

Niv Shtibel

Full Stack Developer

Autodidact Software Development & Engineering

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Professional Experience

Oversight - Full Stack Developer | 2021 - Present

- Developed an application targeted for e-commerce shop owners using Node.js (Nest.js), and React. The application provides a set of tools for the user such as a dashboard that provides analytics about visitors, a sophisticated messaging engine, and a configurable WhatsApp chatbot.
- Containerized services using Docker and integrated Jenkins for automated deployment, resulting in an increase in development efficiency and a 30% improvement in software reliability.
- Spearheaded the development of a new codebase architecture, implementing best practices and improving code cleanliness. Reduced onboarding time, and enhanced overall code understanding.
- Pushed team-wide unit testing, which enhanced code coverage and increased confidence in code changes, leading to a 25% decrease in regression bugs and a reduction in the time spent on manual testing.
- Led an effort to rewrite the codebase with an opinionated framework such as the NestJS framework, increasing development velocity across departments.
- Implemented Kafka as an internal messaging system, boosting data handling and communication efficiency. This resulted in 30% improved performance, increased productivity, and higher customer satisfaction.

Checkpoint - Automation Developer | 2020 - 2021

- Developed a C++ program to detect a failure in industrial machinery before errors occurred, reducing reliance on technical assistance and improving equipment availability by 15%.
- Facilitated the maintenance of high-quality standards for automation tools and software by coordinating the review, testing, and deployment process in adherence to best practices, resulting in a 40% reduction in bugs and issues.
- Collaborated with team members, contributing to team goals and demonstrating a willingness to help others, resulting in a more cohesive and productive team environment.

Skills

- Node.js, NestJS, React.js, Typescript, Redux, GraphQL, JavaScript, HTML5, CSS
- SQL (MySQL, RDS, PostgreSQL), NoSQL (MongoDB, DynamoDB, Elasticsearch), ORM (Prisma)
- Docker, Git, Redis, Kafka, AWS, EC2, Monorepo (Turborepo, Nx), Jenkins, GitHub Actions, ESLint, S3, JWT, OAuth2, Jest

Personal Projects

Users Library

- Developed a responsive user library app in React, with field validation, error handling, Redux for state management, TypeScript for code quality, and a search filter.
- **Technologies:** React, Vite, MUI, Redux(toolkit), Zod, Framer Motion
- **Repository:** <https://github.com/NivSv/Users-Library> demo: <https://nivsv.github.io/Users-Library>

Users API - Anticipate a slight delay during service initialization (cold start).

- Created a user API with CRUD functionality, filtering, department/user count feature, and error handling. Supported create/delete departments, unit testing, and CI/CD.
- **Technologies:** Nest.js, Zod, Typescript, pg, Turborepo
- **Repository:** <https://github.com/NivSv/Users-API> demo: <https://users-api-iexe.onrender.com/api>

Education

Magshimim - National Cyber Program 2015 - 2018

"Clean Code" by Robert C. Martin (Self-Study) Completed in 2023