

# YAROSLAV NEDOLUZHKO

## Senior Software Engineer

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### Summary

Results-driven **Senior Full Stack Engineer** with **8+ years** of experience specializing in **React, React Native, Node.js and Next.js** for scalable web and mobile applications. Deep expertise in **microservices, high-performance architecture, DevOps automation and cloud-native solutions**. Proficient in optimizing databases, designing distributed systems and implementing cutting-edge frontend technologies. Passionate about **clean code, UX/UI design** and emerging web technologies.

### Experience

#### Square

California, United State

##### Senior Software Engineer

10/2022 - Present

- Built high-performance **React, Next.js and React Native** applications with modular components using **Storybook and Lerna**, optimizing SSR/SSG for **60% faster** load times and improved SEO and delivered seamless cross-platform mobile experiences on iOS and Android.
- Engineered high-performance **GraphQL APIs** with **Apollo Federation** and developed scalable microservices using **Node.js, NestJS** and **Express.js**, improving data-fetching efficiency and system communication by **50%**.
- Engineered seamless state management with **Redux, Zustand, React Context** and implemented **lazy loading, tree shaking** and **memoization**, enhancing rendering performance.
- Established robust testing pipelines using **Cypress, Jest and Playwright** leading to **40% fewer regressions** in production.
- Designed and deployed cloud-native applications using **AWS (Lambda, S3, CloudFront, API Gateway, RDS, ECS, DynamoDB)**, improving system resilience and reducing infrastructure costs.

##### Full Stack Engineer

11/2020 - 01/2022

- Built scalable, high-traffic **eCommerce applications** using **React, Next.js and Node.js**, supporting thousands of concurrent users
- Developed and managed **gRPC-based microservices** with **API Gateway (Kong)**, decreasing inter-service latency by **35%**.
- Enhanced database performance using **PostgreSQL indexing, Redis caching and MongoDB sharding**, leading to a **70%** query latency reduction.
- Integrated **Elasticsearch and RabbitMQ** for real-time data indexing and event processing.

#### SoftServe

Lviv, Ukraine

##### Full Stack Engineer

10/2018 - 10/2020

- Designed and built scalable **React & Node.js applications** with **RESTful APIs** and **GraphQL**, optimizing data transfer and reducing server load.
- Developed microservices using **NestJS, Express.js** and **Kubernetes**, improving modularity and fault tolerance.
- Implemented **WebSockets with Redis Pub/Sub**, enabling seamless real-time communication for live notifications and chat applications.
- Automated deployments with **GitHub Actions, Jenkins** and **Kubernetes**, reducing manual work and boosting deployment speed by **50%**.
- Introduced comprehensive **unit, integration** and **contract testing** using **Jest** and **Pact** increasing test coverage and reducing production bugs.

##### Full Stack Developer

08/2017 - 09/2018

- Built React/React Native components with **Redux** and **Zustand** for state management, designing **UI/UX** with **Tailwind CSS** and **Material UI**.
- Designed RESTful and GraphQL APIs with **Node.js, Express.js** and **Fastify**, ensuring fast and efficient request handling.
- Secured APIs with **JWT, OAuth2, HTTPS best practices** and implemented **rate-limiting mechanisms** to mitigate **DDoS** attacks.

### Education

#### Lviv State University of Life Safety

Lviv, Ukraine

##### Bachelor of Science in Computer Science

09/2013 - 07/2017

### Key Achievements

#### Performance Optimization

Reduced page load times by **60%** using SSR/SSG techniques in Next.js and optimized image delivery via **CloudFront**.

#### Security Enhancements

Designed **CI/CD pipelines** with **Infrastructure as Code** (Terraform, CloudFormation) improving deployment efficiency by **50%**.

#### Mentoring & Knowledge Sharing

Led junior developers on React/Node.js **best practices**, improving team productivity by **30%** and **reducing** onboarding time.

### Skills

#### Languages & Frameworks:

React.js, React Native, Next.js, Redux, Zustand, Storybook, Lerna, TypeScript, Cypress, Jest, Playwright, Tailwind CSS, Material UI, Node.js, Express.js, NestJS, GraphQL, Apollo, Django, Flask, PostgreSQL, MongoDB, MySQL, Redis

#### Others:

AWS (Lambda, S3, CloudFront, API Gateway, ECS, RDS), Docker, Kubernetes, Terraform, CI/CD Pipelines, OAuth2, JWT, API Gateways (Kong, Nginx), SSO, WebSockets, RabbitMQ, Apache Kafka, Elasticsearch, Microservices architecture, Agile methodologies (Scrum, Kanban)