Nikolai Dorofeev

Software Engineer

IT specialist with experience in a **wide range of technologies**, focusing on **Node.js ecosystem**. Created web-applications from **database** and **server** layers to dynamic **Single Page Applications** and **deployment to hosting**.

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📍 Tbilisi, Georgia

Work Experience

Backend Software Engineer Exactpro
Aug 2023 - Present (1 year)

- Contributed to the internal Python framework for testing financial systems.
- Developed tools for reconciling data between different trading protocols.
- Developed tools for simulating and inspecting trading systems algorithms.
- Retrospectively analyzed and improved the performance of the existing codebase.
- Optimized development process by implementation of the versatile parser for the internal file format.

Full-stack Engineer Red-Green Life Design
Nov 2023 - Jul 2024 (9 months)

- Developed a mobile application for tracking diet results using React Native + Expo.
- Developed backend services for the application using Node.js + Express.
- Configured OAuth2.0 authentication for the application.
- Managed PostgreSQL database for the application.
- Managed backend instances for different stages of product development.
- Configured CI/CD pipeline for the application using GitHub Actions.

DocOps / Full-stack Engineer Exactpro
Jul 2021 - Aug 2023 (2 years 2 months)

- Developed a custom documentation portal with features for technical writers using Gridsome (Vue.js + GraphQL).
- Led development of an easy-to-deploy and easy-to-update docs web toolkit package based on Nuxt.js and Tailwind CSS.
- Integrated applications with 3rd party solutions such as GitHub or Algolia.
- Analyzed user requirements to derive technical software design and performance requirements.
- Developed demonstration Python and Kotlin modules for th2 - complex Kubernetes-based microservices framework with gRPC and RabbitMQ communication.

Languages

- English: Upper-Intermediate
- French: Intermediate
- Russian: Native

Skills

TypeScript JavaScript

Node.js Python

Smart Contracts

Web Ecosystem

Vue Ecosystem

React Ecosystem

CSS frameworks DApps

REST API ORM DBMS

Event-Driven Blockchain

The Open Network TACT

FunC Sandbox Testing

Contracts Deploy

Docker Kubernetes

GitHub actions GitLab CI

Unix

- Wrote clear and easy-to-understand documentation pages for complex Kubernetes-based - microservices framework.
- Configured CI/CD pipelines for publishing static websites and npm packages via GitHub actions, GitLab CI, Jenkins.
- Mentored junior specialists and technical writers.
- Developed #1 architecture for providing traceability of digital assets between blockchains for Swift Hackathon 2022.

Projects

- [DNetwork](#): First true blockchain social network (built on TON)

- 🐶 [dog](#): 🐶 Generate d0rich OpenGraph images! Wuaff!

- [d0xigen](#): 🧜 📄 Docs to breath life into your project

- [d0rich design system](#): 🎨 Design system inspired by Persona 5 UI

- [ton](#): Most popular TON Typescript Library

- [BigFiles](#): Ton Drive is an intuitive and responsive interface designed for Telegram Web Apps. It allows seamless uploading, viewing, and managing of large files, bypassing Telegram's 2GB file limit. Users experience smooth interactions while the backend handles robust file processing and storage.

- [ton-validators-map](#): Building a map of TON validators

- [tradeb0t](#): 🤖 Trading software with high integration possibilities

- [th2-cli](#): 👨‍💻 CLI for managing th2 infrastructure in Kubernetes cluster

- [tweetst0rm](#): 🐔 Simple app that uses GPT-3 for generating tweets.

Certificates

- Enterprise Patterns ([foxminded.ua](#), May 2023): Course Page, Certificate, Verify Certificate

- Architecting With Google Kubernetes Engine ([Coursera](#), Oct 2021): Certificate

- Fundamentals Of Digital Marketing ([Google Digital Garage](#), Jul 2021): Certificate

Education

Bachelor of Science - BS, Information Systems and Technologies in Business
 Tomsk Polytechnic University
Sep 2018 - Jul 2022 (3 years 11 months)

This program is aimed at training specialists in the field of information systems and technologies in business, who are able to solve problems of business management and economic activity using modern information technologies and systems. Projects were related to the development of e-commerce systems and integration with ERP systems.

Main learning stack: ASP.NET + MS SQL.

However, students was free to choose any technology stack for their projects.

Used technologies: Node.js, Python Flask, Vue.js, Nuxt.js, MongoDB, PostgreSQL, Firebase, Docker, etc.

Diploma project: distributed full-stack framework for trading automation implemented with Node.js and Vue.js.