Yuriy **Korotovskikh**

FULLSTACK DEVELOPER · WEB3 ENGINEER · FINTECH SPECIALIST

Yerevan, Republic of Armenia

✉ ukorotovskiy@gmail.com | ⌂ ukorvl | 🔗 yury-korotovskikh | ✖ @ykorotovskikh | ✈ its_korotovskikh

Summary

Frontend Engineer at Nil Foundation, Ethereum L2 chain. I specialize in building scalable applications, designing APIs, web interfaces, developing blockchain tools and SDKs.

Five years building end-to-end web applications with expertise in both client-side interfaces and server-side architecture.

Proficient in modern frontend frameworks (React, Next.js, Vue), backend development with Node.js, SQL and noSQL databases, and DevOps practices mostly in Web3 and fintech domains.

Skills

Languages	**Proficiency** - JavaScript, TypeScript, Nodejs, Solidity, HTML, CSS, **Working Knowledge** - PHP, Go, Elixir
Frontend	Reactjs and its ecosystem, Nextjs, Astrojs, Vuejs, Redux, Effectorjs, Zustand, WebWorkers, Storybook, Vite, Rollup, Tailwind CSS
Web3	Viem, Wagmi, Ethers, Metamask snaps
DevOps	Docker, Ansible, TeamCity, Nix, Github CI
Backend	Nodejs, SQL, REST, JSON-RPC, WebSockets

Work Experience

Nil foundation   *Limassol, Cyprus (remote)*
FRONTEND DEVELOPER   *May. 2022 - Current*

Nil Foundation is an Ethereum L2 startup working on Ethereum horizontal scalability.

- Built from scratch and released proof market DEX-like interface (React, Redux, Redux-saga), which is a decentralized exchange of computation powers for proofs generation.
- Built a block explorer for the NIL Layer 2 chain with detailed views for blocks, transactions, and accounts. Designed and optimized the frontend architecture for performance and scalability. Also contributed to the Node.js backend powering the explorer.
- Developed an interactive, sharding-specific smart contract playground for the NIL chain. The tool enables users to write and compile Solidity code, save snippets, deploy contracts, and interact with them — all within a unified interface.
- Built a custom JavaScript SDK (web and Nodejs) for interacting with the Nil blockchain, tailored to support SSZ serialization and Poseidon hashing. This library became the foundation for multiple critical tools, including a CLI, Hardhat plugin, and browser wallet extension.
- Developed and maintained the corporate website using Next.js with a Strapi CMS backend, along with additional marketing pages to support product outreach.
- Created and maintained a reusable React UI component library, adopted across nearly all NIL interfaces to ensure design consistency and development efficiency.
- Built and maintained CI/CD pipelines using Github actions CI, Ansible and Jinja for frontend and backend projects

InfoTeCS JSC   *Saint Petersburg, Russia (on-site)*
FRONTEND DEVELOPER   *Jun. 2021 - May. 2022*

InfoTeCS is a cybersecurity company providing a range of secure communication solutions for corporate clients.

- Built Remote Work Management System, a big internal React app, where employees could request remote work, track approval pipelines, and submit daily reports. I created interfaces, pages and forms, worked on performance optimizations and managed API workflows with Redux Saga. I also contributed to backend C# controllers and validations to support frontend logic.
- Contributed to Employee performance evaluation system - a large-scale web application built with ASP.NET and a legacy frontend stack using jQuery and Backbone.js. Worked on API, controllers and database integrations.
- Led frontend development for a Next.js documentation portal targeting foreign branches, combining static site generation with dynamic internal routing. This portal was a key touchpoint between the company and its foreign customers. One part of the app was public-facing, the other integrated into an internal doc system.
- Maintained React components library and closely collaborated with Design department to ensure consistent implementation of the design system.

InfoTeCS JSC   *Saint Petersburg, Russia (on-site)*
FRONTEND ENGINEER INTERN   *Mar. 2021 - Jun. 2021*

- Developed React-based Artifact Management App. This internal tool allowed teams to upload, download, and manage build artifacts across multiple systems. All existing artifacts were aggregated in a dynamic responsive table with server-side sorting and filtering, making it easy for engineers to quickly locate, and interact with the files.

0day Technologies *Moscow, Russia (remote)*

Frontend developer *Sept. 2020 - Mar. 2021*

0day Technologies is a company specializing in the development of automation tools and information security.

- Designed and developed a Vue2 and Vuetify-based monitoring service, integrating interactive Leaflet maps for real-time data visualization and location tracking.
- Worked on big monolith Reactjs application with Python backend, where I created new pages and components, optimized performance, and collaborated with backend team to implement new search feature.

Education

KSU(Kurgan State University) *Kurgan, Russia*

Bachelor degree *Sep. 2014 - Aug. 2018*

UNECON(Saint Petersburg State University of Economics) *Saint-Petersburg, Russia*

Masters degree *Sep. 2018 - Jul. 2020*