Vakhtang Karchava

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TECHNICAL SKILLS

Programming languages: JavaScript, TypeScript, HTML, CSS, SASS/SCSS, Python
Frameworks & Libraries: React, Next.js, Redux, Mobx, Node.js, React Native, Tailwind CSS, Styled Components, Framer Motion, Nest.js, PostgreSQL, Electron.js
Developer Tools: Git, GitHub, Github Actions, Firebase, Storybook, Docker, Docker Compose, Webpack, Figma, nginx
Languages: English, Russian

EXPERIENCE

Senior Frontend Engineer — Feb. 2024 – Present
A4 Finance — *Tbilisi, Georgia*

- **Developed a website for exchanging cryptocurrency** through a DEX (decentralized exchange) using **NextJS**, **TailwindCSS**, and **Redux Toolkit**
- **Built Telegram Mini App** for crypto airdrops using **TypeScript**, **React**, **TailwindCSS**, and **Framer Motion** for interactive animations. Configured CI/CD pipelines for deploying the application using **Docker**, **docker-compose**, and **GitHub Actions**
- **Worked with backend developers to integrate APIs**, using **React Query** for communication with the server. Implemented data fetching, sending, and in-app purchases using Telegram Stars
- **Developed a multi-currency cryptocurrency wallet** using **React Native** and **TypeScript**, enabling users to send, buy, exchange, and stake cryptocurrencies across various blockchains
- **Implemented persistent storage** synchronized with the **Redux** store to save user balances and transactions
- **Configured an nginx reverse proxy** to third-party services for crypto-to-crypto and crypto-to-fiat exchange

Senior Frontend Developer — Sep. 2023 – Feb. 2024
T1 Consulting — *Saint-Petersburg, Russia*

- **Worked on a mobile device farm management system** that allows QA engineers to test mobile apps on real devices through a browser. Using **React** and **TypeScript**, I integrated real-time communication via **WebSockets** to stream the device screen and simulate touch and button presses
- **Implemented state management with MobX** for synchronizing device statuses and testing workflows in the mobile device farm, ensuring real-time updates and reliable communication between the frontend and backend
- **Developed a UI kit** of corporate components using **Styled Components**. Each component was accessible, supported various styles, and allowed for full customization
- **Architected microfrontend applications** within a larger product ecosystem, utilizing **Webpack Module Federation** to allow seamless integration and deployment of independent applications, ensuring consistency and scalability across multiple products

Frontend Developer — Aug 2020 – Aug. 2023
Evercode Lab — *Saint-Petersburg, Russia*

- **Developed the desktop version** of a cryptocurrency wallet using **React**, **Redux**, and **Electron**
- **Created an SDK for over 30 cryptocurrencies**, enabling address generation, fund transfers, balance retrieval, and transaction history, designed to work across **React Native** and **Electron** environments
- **Architected and implemented a library** containing the key business logic for crypto exchange, fiat transactions, and staking, integrated across both mobile and desktop platforms
- **Led a development team, mentoring junior developers** and guiding them through project tasks and code reviews
- **Built multiple landing pages and applications** using **NextJS**, including a service for paying for purchases with cryptocurrency and a crypto exchange aggregator.

Junior Developer — Jun 2019 – Jul 2020
Element — *Saint-Petersburg, Russia*

- **Developed admin panels** for nuclear power plant projects, including a system to monitor worker radiation levels
- **Learned React**, **Redux**, and became proficient in using **Styled Components**

EDUCATION

ITMO University — Saint-Petersburg, Russia
Bachelor's degree in information systems and technologies — *Sep. 2017 – Jul 2021*