

# Vakhtang Karchava

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## TECHNICAL SKILLS

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**Programming languages:** JavaScript, TypeScript, HTML, CSS, SASS/SCSS, Node.js

**Frameworks & Libraries:** React, Next.js, Zustand, React Query, 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

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### Senior Software Engineer

Sep. 2024 – Present

*Caishen App*

*Remote*

- Built a **cross-platform crypto wallet (React Native + Next.js)** and **backend (NestJS, PostgreSQL, Docker)** from scratch
- **Integrated Inclusive Layer SDK** in the wallet (deposits, swaps, transfers); contributed to SDK design with the core protocol engineers
- **Set up Firebase + Web3Auth** login (email/phone/Google/Apple)
- Built frontend and backend for **token lists, fiat rates, token metadata, news aggregation, and on-ramp integrations**
- Structured the codebase as a **Turborepo monorepo (mobile, web, admin)**; created **shared packages** and a **component library** for web apps

### Senior Frontend Engineer

Feb. 2024 – Aug. 2024

*A4 Finance*

*Remote*

- Developed a **DEX interface** using **Next.js, TailwindCSS, and Redux Toolkit**
- Built a **Telegram Mini App** for crypto airdrops (**React, TypeScript, Framer Motion**), including support for **in-app purchases** via Telegram Stars
- Set up **CI/CD pipelines with Docker and GitHub Actions** and configured an **nginx reverse proxy** for crypto and fiat exchange services
- Created a **multi-currency crypto wallet (React Native, TypeScript)** supporting **send, buy, swap, and staking**

### Senior Frontend Developer

Jan. 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 – Jan. 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

*Element*

Jun 2019 – Jul 2020

*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

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### **ITMO University**

*Bachelor's degree in information systems and technologies*

Saint-Petersburg, Russia

*Sep. 2017 – Jul 2021*

## ABOUT

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I am a frontend developer with 5 years of experience. My main stack includes JavaScript, TypeScript, React, Redux, and Next.js. I enjoy building the architecture of complex applications and working with business logic, but I also always keep in mind that the key is the user experience. An app should not only be functional but also intuitive and visually appealing.

One of my key achievements is creating a multi-platform cryptocurrency wallet (iOS, Android, Windows, macOS, Linux) from scratch using React, React Native, and Electron, and successfully bringing it into production. I also interviewed and built a team of 5 developers who continue to maintain and enhance this product.