

# Davyd Zakorchennyi

Full Stack Engineer - React.js, Node.js, Typescript, Python, MongoDB

Sarasota, FL

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I'm a Full Stack Engineer specializing in MERN stack (MongoDB, React.js, Node.js, Express.js, Typescript). During my time at Chartboost, I've developed a secondary proficiency in Python and FastAPI. Currently, I'm learning React Native for mobile development. I have 2 years of experience building out web platform solutions in the adtech and business sectors.

## Experience

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### Chartboost - Full Stack Engineer

January 2023 - April 2024

React (Hooks, Context API, Redux, Router) • React Query • TypeScript • FastAPI • MongoDB • RTL • PyTest • Git

- Co-led the development and maintenance of Chartboost's frontend component library (using React, Typescript, Material UI, and Storybook) collaborating with engineering and design teams to create and update reusable components, significantly accelerating development and ensuring consistent UI.
- Contributed to the development and maintenance of the pivotal unified dashboard as part of the full-stack team, with a primary focus on core operations, such as user authentication (OAuth0, Python, FastAPI), and apps/ad locations management (React, Material UI).
- Led backend implementation and contributed to frontend development of the 'List Management' API entity, written and tested in Python (FastAPI, PyTest), and introducing a scalable entity and addressing edge cases, saving significant time and resources for support.
- Remade Chartboost's heavy Table component using React Context API, as well as RTL and Storybook for testing and visual demos, reducing setup time by up to 90%, enhancing customizability and usability, with detailed documentation for faster feature delivery.
- Developed a bulk ad locations CSV upload feature, defining the CSV format, validation logic, and status alerts using Typescript and Material UI styled components, improving onboarding and reducing workload for publishers and support staff seeking to migrate their data quickly.
- Overhauled 'apps' entity's frontend architecture, replacing Redux with React Query, introducing custom 'useApps', 'useInfiniteApps', 'useApp' React Hooks, boosting development speed by 50%, significantly reducing redundant API calls (optimizing server resources), and improving user navigation, setting a precedent for future feature development within the unified platform.

## Projects

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### Nick Abramov Design Portfolio ([Frontend Code](#) | [Backend Code](#) | [View Site](#))

2024

React (Hooks, Context API, Router) • React Query • TypeScript • Nest.js (Node.js • Express.js) • MongoDB • Figma • Git

A portfolio website requested by the visual designer client - Nick Abramov. The client requested several core features, including Project(s), FAQs, and Contact pages, as well as an admin dashboard for the client to manually perform create/update, as well as other CRUD operations, on projects and FAQs. The client provided a complete Figma design spec.

- Developed a dynamic, responsive, and accessible React portfolio application using TypeScript and Material UI, showcasing a modern and user-friendly interface.
- Implemented JWT authentication and email integration to provide secure and user-friendly experiences.

- Engineered a simple admin dashboard providing Nick with portfolio project management tools for CRUD operations, such as adding, editing, deleting, and reordering of the entities.
- Deployed the web application using **Vercel**, utilizing its features such as serverless functions, static website hosting, and integration with **Git** for seamless deployment and **continuous integration**.

## Aray Aesthetics Business Website ([Code](#) | [View Site](#))

2022

React (Context API) • Next.js • JavaScript • Sass • Yarn • Git

A legacy business website developer for the esthetician client - Aray Syzdykova. The features requested by the client included a Landing, About, Gallery, and Contact pages. The website was designed in Canva, developed in React, Next.js (for server-side rendering), and Sass, and deployed using Vercel.

- Developed a visually captivating and user-centric website, showcasing client's their expertise in beauty and aesthetics. Utilized **Next.js**, **React**, and **SCSS** to create a dynamic and responsive experience.
- Implemented a custom theme selection feature with several color scheme options, allowing users to easily switch between different aesthetics.
- Integrated a contact form with **Nodemailer** to enable users to send inquiries directly from the website.
- Enhanced the website's performance by optimizing image sizes, implementing lazy loading for images, and utilizing **Next.js's** built-in image optimization.

## Education

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### Hack Reactor Software Engineering Bootcamp

Remote, Apr 2022 - July 2022

- JavaScript
- React
- Node.js, Express.js
- Unit Testing (Jest, Mocha, Chai)
- AWS (EC2, Elastic IP)
- Git/Github
- Postman