NIKOLAJS VEIDIS

Software Engineer | New York City

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SKILLS

Full-Stack, UI / UX, Web Development

JavaScript (ES6+)	NoSQL (MongoDB)	TypeScript	Redux
React	SQL (PostgreSQL)	D3.js	Python
Version Control (Git, Github)	Node.js	RESTful API	Java

EXPERIENCE

Software Engineer, D3no Data   *2022 - Present*

- Developed the first data visualization library for Deno, empowering engineers to seamlessly generate interactive graphs. Created real-time graphics rendering, support for multiple data sets, custom chart and UI properties, and seamless animation capabilities.
- Reduced performance costs, decreasing the project size by 54% (from 105kB to 68kB), by analyzing React-alternative front-end libraries, constructing a lightweight system and optimizing application performance.
- Led the project version control for a team of 5 engineers, creating a stable Git branching model, encouraging informative commit histories, provisioning secure merge privileges, and enforcing a collaborative code review process.
- Reduced the need to debug dynamic typing errors during development by implementing TypeScript to enforce strict type contracts for chart component properties.
- Engineered a web application, providing users with comprehensive documentation, a production-level testing environment, and real-time rendered demonstrations of all available charts and customizations within the library (d3nodata.deno.dev).
- Improved website performance and scalability by implementing a strict data architecture, as required by the Fresh framework.
- Product developed under the tech accelerator OS Labs (opensourcelabs.io).

Analyst, Nomura Corporate Research & Asset Management   *2019 - 2022*

- Accelerated trading flow for 80+ client accounts by developing over 15 multi-faceted VBA applications to track and manipulate $80 million in daily trading volume data and manage a portfolio of $30 billion.
- Utilized Bloomberg BQL functions to gather trade information for the population of large data sets.

OPEN SOURCE

Full-Stack Engineer, Vault | Personal finance visualization tool

- Configured a Node.js server and Express framework to handle requests through a RESTful API design that leveraged both middleware and controllers to authorize users, persist sessions, and read/write data to and from a SQL database.
- Leveraged React Hooks to form a centralized state tree, providing fluid data flow and avoiding complicated prop drilling across nested components and unnecessary re-rendering.
- Mocked UI/UX with Figma and utilized Material UI and Framer Motion to streamline the application's frontend development.
- Incorporated PassportJS middleware to provide login and registration options in addition to cookie sessions, to persist data.

Back-End Engineer, Cafe Query | Remote workspace locator

- Implemented MongoDB to create a horizontally scaling NoSQL database with rapid data access in order to maintain ACID compliance while delivering a fast, seamless user experience.

EDUCATION

Muhlenberg College | Bachelor of Arts | 2019

LANGUAGES

Latvian | Fluent

PRESENTATIONS

"An intro to Deno" | Single Sprout Speaker Series