NIKOLAJS VEIDIS

Software Engineer | New York City

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TECHNICAL SKILLS

Full-Stack, UI / UX, Web Development

JavaScript (ES6+)	NoSQL (MongoDB)	TypeScript	Redux	CSS/Sass
React	SQL (PostgreSQL)	D3.js	Next.js	Tailwind CSS
Version Control (Git, Github)	Node.js	RESTful API	Figma	Material UI

EXPERIENCE

Front End Engineer, Stanford University | Freelance *2023*

- Led a 6-month project to plan, design, and execute the end-to-end development of Stanford University's Environmental Humanities webpage, managing the input of 3 stakeholders and adhering to strict web design guidelines.
- Architected a serverless webpage, saving an estimated $2K annually in hosting costs, by optimizing a structured JSON database for seamless integration of 80 student submissions.
- Crafted a dynamic, component-based website architecture using React.js, greatly enhancing code reusability and ensuring long-term project maintainability.
- Deployed PropTypes to type-check React components, preventing run-time errors and significantly improving code quality.
- Executed version control using Git, strictly complying with rigorous formatting guidelines to significantly preserve code quality and streamline project workflow.

Software Engineer, D3no Data | Data visualization & charting library *2022 - 2023*

- Developed the first data visualization library for Deno, enabling engineers to create interactive graphs with ease. Implemented real-time graphics rendering, support for multiple data sets, customizable chart and UI properties, and smooth animation capabilities.
- Decreased performance costs by 54% (from 105kB to 68kB) by evaluating alternative front-end libraries, constructing a system using Preact - a React-alternative lightweight front-end library, and optimizing application performance.
- Managed project version control for a team of 5 engineers, establishing a stable Git branching model, promoting informative commit histories, securing merge privileges, and implementing a collaborative code review process.
- Minimized dynamic typing errors during development by incorporating TypeScript to enforce strict type contracts for chart component properties.
- Designed and developed a web application using TypeScript and Deno, providing comprehensive documentation, a production-level testing environment, and real-time demonstrations of all chart types and customizations available in the library (d3nodata.deno.dev).
- Enhanced website performance and scalability by adhering to 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*

- Improved trading flow for 80+ client accounts by developing over 15 multi-functional VBA applications to monitor and analyze $80 million in daily trading volume data and manage a portfolio of $30 billion.
- Streamlined data analysis processes by utilizing Bloomberg BQL functions to extract trade information from large data sets.
- Boosted trading efficiency and accuracy through the development of several data analysis tools, including:
  - Trade booking tool that scraped and organized trade information from various spreadsheets, saving 15 minutes per day.
  - Failed trade report tool that analyzed and documented trade failures and potential failures, saving 1 hour per day.

EDUCATION

Muhlenberg College | B.A. Finance & Economics | 2019

PRESENTATIONS

“An Intro to Deno” | Single Sprout Speaker Series | NYC | 2022

LANGUAGES

Latvian