Dominick Founds

Full-Stack Engineer

SUMMARY

Results-driven Full-Stack Engineer with a strong command of React, Typescript, and NodeJS. Proficient in building scalable and efficient web applications, utilizing REST APIs, and employing agile development methodologies. Skilled in architecting systems, managing the entire web app lifecycle, and ensuring timely product delivery. Experienced in collaborating with end-users and product managers to enhance user experience and optimize performance.

CONTACT

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Atlanta / Kennesaw Area

SKILLS

Frontend	Backend	Database	Cloud	Work Flow	Languages
React	Node.js	SQL	AWS	VSCode	TypeScript
ChakraUI	API			NeoVim	C++
HTML	Express	MongoDB	Heroku	ESLint	JavaScript
BootStrap				GitHub	Go
CSS	GraphQL		Vercel	Git	Python
Redux				Jira	Java
				Prettier	
				NPM	
				PIP	
				Yarn	
				Cargo	

EXPERIENCE

Full-Stack Engineer

NEAARRD Lab · January 2021 - January 2023

Oversaw and developed technological infrastructure for the NEAARD Lab at Kennesaw State University. Responsible for web development and data storage solutions

Highlights:

- Migrated web experiments to operational independence
- Actively engaged end-users and product managers to better understand and improve web experiments.
- Wrote significant portion of code foundation, allowing code reuse and rapidly iterated features.
- Improved availability and overall performance of web experiments.
- Utilized a combination of React, HTML, CSS, JS, and the JsPsych library to deliver full stack solutions for psychological web experiments
- Wrote REST API's to save experiment data (CSV) to amazon S3 buckets

Research Assistant

BARnGRIL Lab · April 2019 - January 2021

Assisted Principle Investigator (PI) with the development of cognitive neuropsychological experiments to interface with EEG headsets developed in C++ with the allegro 5 game library. Conducted data analysis of large complex datasets from EEG hardware and software.

Highlights:

- Wrote code for psychological experiments in C++.
- Utilized the allegro 5 game library and functional programming to produce time efficient experiments.
- Analyzed complex electroencephalograph data.
- Presented at Undergraduate Research Conferences.
- Used scientific writing to document research

EDUCATION

Kennesaw State University

Bachelor of Science, 3.8 GPA - 2021
Master of Science Software Engineering, 4.0 GPA - 2023

PROJECTS

2023 - **XIV MinionDex**

Produced a pokédex-like application for minions from the Final Fantasy XIV franchise via the ffxivcollect API with React, Typescript, and ChakraUI. Utilized custom hooks for various optimizations like debouncing and data-fetching.

2023 - **TarotCake**

Built a full-stack TarotCard application for three-card tarot draws. Utilized React, Typescript, NodeJS, MongoDB, Framer Motion, and CSS. Implemented server-side generated cookies via express-session. Constructed REST API for CRUD operations and user authentication.

2023 - **MyACT**

Developed a full-stack Acceptance and Commitment Therapy (ACT) web application for ACT based exercises. Used React, Typescript, ChakraUI, Framer Motion, CSS, NodeJS, Express, and MongoDB to deliver full functionality. Implemented React Beautiful DnD for drag and drop card exercises.

2023 - **Personal Website**

Constructed a personal website using Next.JS, React, and ChakraUI. The website contains dark and light modes, links to projects, blog posts, resume, technologies and contact information.

2022 - **Lab Rats**

Created Lab Rats, a full-stack research laboratory task management system made with React (client-slide) and Node (server-side) with a MongoDB NoSQL database under an AGILE development process. Applied systems architecture knowledge by diagramming the architecture and user-flow. In addition, scheduled each part of the web-apps lifecycle and broke it down into phases which was used to calculate a critical path using the Critical Path Method (CPM) for a timeline regarding product delivery.

2021 - **NEAARD Lab Website**

Developed the NEAARRD Lab's website built with React. The website was built for a cognitive neuropsychological research laboratory at Kennesaw State University. The website contains links for projects, current studies, past research, and information for lab members, as well as a contact section for general consultation or applications to join the lab.