

Jack Pronske

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TECHNICAL SKILLS

Front-End | JavaScript, React, Redux, jQuery, HTML, CSS, Axios

Back-End | Node, Express, PostgreSQL, MySQL, MongoDB

Relevant Skills | Jest, Mocha, Chai, Docker, REST API, CRUD, AWS/EC2, New Relic, A11y

SOFTWARE ENGINEERING APPLICATIONS

Sudoku Solver | Node, Jest

2021

Created a Sudoku solving algorithm that will take an incomplete board and provide a valid solution

- Used Object Oriented Programming to separate helper functions, for ease of readability/concerns
- Able to solve the AI Escargot, the world's hardest sudoku puzzle, using a backtracking-recursive approach

Planit | React, React-Big-Calendar, MomentJS, Node, Express, PostgreSQL

2021

Collaborated with a larger team to develop an MVP of an event-scheduling application (Team Role: Project Lead)

- Created an API endpoint documentation to help coordinate AGILE workflow between smaller teams
- Organized sprints and stand ups, connecting members to ensure efficient production of the final product

Swift | Node, Express, PostgreSQL, AWS

2021

Implemented a complete redesign for a pre-existing database to allow scaling for high volumes of web traffic

- Deployed a REST API complete with CRUD functionality with AWS/EC2 instances and an NGINX load balancer to handle 700 requests per second, up from 100 rps with one server instance
- Improved legacy API query speeds by normalizing data and implementing more complex database-side query logic using table joins, column-indexing and PostgreSQL aggregate functions

Lovelace Legends | React, HTML, CSS, Axios, A11y

2021

Developed a Related Products and Outfit Creator module for an e-commerce website

- Utilized Axios' promise-like functionality to compose chained API requests that retrieved related data
- Applied pure CSS to create a lightweight and completely customizable Image Carousel to display products
- Shaped module to include A11y standards such as keyboard functionality and screen reading

PROFESSIONAL EXPERIENCE

Galvanize | Software Engineering Immersive Resident (SEIR)

2021

- Mentored 80+ students in JavaScript fundamentals and full-stack technologies to a high level of mastery
- Helped engineers troubleshoot environmental and technological issues, and work through complex ideas

Duncanville ISD | Band Director - Percussion

2018-2019

- Coordinated 120+ students across 7 campuses
- Managed inventory, budgets, and curriculum design

EDUCATION

Hack Reactor | Advanced Software Engineering Immersive

2021

University of North Texas | Bachelor's Degree in Music Education

2016

PERSONAL

Sponsorship | Vic Firth Stick & Mallet Company (Educator & Performer)

Author | 'The Fundamentals of Percussion' Technique/Method Book