

Zach Smith

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GitHub: github.com/Zach-Smith1

Portfolio: zach-smith1.github.io

TECHNICAL SKILLS

- **Proficient:** JavaScript, React, Node.js, Express, SQL, PostgreSQL, SQLite, MongoDB, AWS, Heroku, jQuery, Webpack, npm, Vim, RESTful API, Axios, Postman, HTML5, CSS3, Git
- **Exposure:** Java, Python, Typescript, CanvasJs, ApexCharts.js, D3.js, Babel

WORK EXPERIENCE

EaaS | Software Engineer | Remote

Jan 2024 - Present

- Developed finance code conversion system utilizing JavaScript, React, Node.js, and Express, enhancing the workflow of a \$100 million dollar non-profit organization.
- Implemented security conscious data processing tools and functions utilizing JavaScript, React, and Node.js, optimizing code conversion times by over 1,000%.
- Created custom JSON web token authentication and delivery system to integrate login page with white label product using JavaScript and Node.js.
- Engineered login system in JavaScript and HTML with RESTful connected to a MySQL database for secure user verification and authentication.
- Constructed data processing and visualization platform to display up to 1+ million merchant and credit card micropayments using JavaScript, React, HTML5, and CSS3.

Cirrus Pharmacy Systems | Software Engineer | Remote

Feb 2023 - Mar 2024

- Designed custom pharmaceutical data processing program using JavaScript and Node.js to make national drug code and medicine potency data more accessible.
- Identified business requirements and analyzed all incoming data streams to reduce drug comparison times by at least 10X utilizing JavaScript, Node.js, and Express.
- Programmatically compared 400,000+ pharmaceutical codes using JavaScript and Node.js to filter information while enhancing data structure.
- Architected SQL database design to structure and store pharmaceutical data (drug codes and descriptions) to improve organization and access to key product data.

Atelier | Software Engineer | Remote

Jun 2022 - Aug 2022

- Built PostgreSQL database to allow rapid lookup of product info with efficient queries via CLI and pgAdmin.
- Scaled successfully to 4 AWS EC2 instances load-balancing with NGINX, achieving max load of 8000 rps with 0% error rate.
- Subjected system to high stress using K6 and Loader.io testing, optimizing response times by over 50%.
- Wrote robust, modular JavaScript and Node.js code to serve clothing product data from APIs to end user.
- Rendered multiple product datapoints on the JavaScript front end while managing complex states with React and designing a cohesive UI/UX in HTML5 and CSS3.

EDUCATION

B.S. Biology, University of Nebraska - Lincoln

PROJECT WORK

Wealth Watch | Software Engineer | bit.ly/budgetApp | github.com/Zach-Smith1/bugetApp

Sep 2023 - Nov 2023

Budget tracking app for users to drag and drop payment data from their credit card to create useful visualizations.

- Deployed full-stack app in JavaScript, React, and Node.js for converting credit card data into intuitive data visualizations on their personal budget trends.
- Applied modern web technologies and data processing algorithms to create an interactive UI in JavaScript.
- Transformed complex card data into meaningful insights, enhancing UX and financial decision-making.