JESSICA DOWNING

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WORK EXPERIENCE

SucCup.com   Remote
Software Engineer (Contract)   Jan 2023 – Present

- Developed and launched a responsive web app using React and collaborated with the CEO to create a user-friendly interface.
- Designed and implemented a scalable PostgreSQL database system.
- Engineered an intuitive back-end system with Express.js and Node.js for email communication, browsing, and secure payment processing via Stripe.
- Utilized Git, GitHub, and Heroku to manage source code and streamline deployment. Developed an automated deployment pipeline to minimize manual errors.

Canyons School District   Salt Lake City, UT
High School Mathematics Teacher   Aug 2019 – July 2021

- Developed randomized, self-grading homework assignments using PHP scripting language.
- Designed and coded a user-friendly website for remote learning during the COVID-19 pandemic.

PROJECTS

Reddit Client   Oct 2022

- Developed and implemented a custom web application with React/Redux that integrates the Reddit API, allowing users to easily browse and search posts and comments.

Portfolio Website   July 2022

- Designed and developed a modern, responsive React application. Utilized wireframing on Figma to create a visually appealing and intuitive user interface.
- Deployed the application on Netlify, ensuring efficient and seamless performance.

EDUCATION

Codecademy   Remote
Professional Certification, Full Stack Engineer   Mar 2022 – Jan 2023

- Relevant coursework: user authentication and authorization, unit and end-to-end testing, designing and implementing databases, data security principles, advanced data structures, and search algorithms.
- Designed, developed, and deployed three full-stack web applications from inception to release. Tasks included creating wireframes and mockups, architecting scalable data models and API endpoints, implementing intuitive and engaging user interfaces, and testing and debugging all components.

Brigham Young University   Provo, UT
Bachelor of Science, Mathematics Education, 3.9 GPA   Graduated May 2019

- Relevant coursework: C S 142 Introduction to Computer Programming: object-oriented design principles, basic algorithms and data structures, C++; Introduction to Python lab through Applied Mathematics department
- Awards: Dean's List for College of Physical and Mathematical Sciences

TECHNICAL SKILLS

Languages: Excellent knowledge of JavaScript, SQL, HTML, CSS; Good knowledge of Python, C++, PHP
Tools/Frameworks: React, Redux, Node.js, Express.js, PostgreSQL, Git