

# Jacob Gifford *Full Stack Engineer*

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## PROFESSIONAL EXPERIENCE

### Full Stack Engineer

04/2024 – present | Remote, USA

CodePDX [🔗](#)

*React.js, Material UI, Javascript, git*

#### Main Site

- Designed, and developed WCAG and a11y compliant themes using MUI, and React, greatly enhancing user experience and user journey.
- Created and edited dozens of assets for the webpage dark-mode themes with Photoshop and Figma.

#### PASS Project

- Implemented and tested controlled forms, pre-validating user data for decentralized data stores.
- Built features allowing the sharing and editing of contacts and user profiles.
- Debugged issues and implemented effective solutions and tests with React Testing Library and Vitest.

### Full Stack Engineer

11/2023 – 03/2024 | Remote, USA

*Freelance Consultant*

- Developed and maintained - hands-on and fullstack - features in Javascript, and Typescript across all platforms and devices.
- Provided clients with publishing options, bundled, deployed and maintained their applications.

## OPEN SOURCE CONTRIBUTIONS

### The Odin Project [🔗](#)

- Curriculum: Overhauled the CSS Foundations sections, reorganizing and enhancing lessons

## PROJECTS

### Marble Run [🔗](#)

*Three.js, React, GLSL, Javascript, CSS, GoLang, Zustand*

- Developed a 3D platformer game, creating an interactive and visually engaging 3D world.
- Implemented high-score submission and retrieval using a REST API built with Golang and PostgreSQL.
- Managed state effectively using Zustand for seamless player interactions and game logic.

### Gradient Fitness [🔗](#)

*React, Typescript, TailwindCSS, PostgreSQL, Chart.js, Express.js*

- Collaborated with fitness professionals to determine and design useful analytics for strength training.
- Created robust charts using public datasets and medical research, allowing professionals and hobbyists to gain a deeper and more accurate understanding of their physical strength.
- Utilized PostgreSQL with Prisma to quickly analyze and aggregate large datasets for statistical analysis.

## EDUCATION

### Purdue University

08/2016 – 05/2020 | West Lafayette, USA

*B.S. Chemistry (conc. Biochemistry)*

### The Odin Project

01/2021 – 02/2023 | Remote

*Full Stack Development*

### Three.js Journey [🔗](#)

07/2024 | Remote

*Creative Experience Development*

## SKILLS

**Languages:** Typescript, Javascript, Python, Golang, HTML, CSS |

**Frameworks:** React, Next, Express, Node, Echo | **Tools:** PostgreSQL, MongoDB, Prisma, Docker, Socket.io, Jest,

Vitest, Git, Postman | **Technology:** Photoshop, Lightroom, Blender, Premiere Pro