

# Tommy Wells

A full-stack software engineer with a passion for simplicity, scalability, and efficiency.

## Experience

JAN 2024 - PRESENT

### Self Directed Learning & Freelance Development

- Reduced redundant database queries by 90%, by implementing Zustand state management.
- Implemented OAuth and credential-based authentication, enhancing product security and simplifying access management across applications.
- Implemented AWS S3 to meet client's needs for secure, cost efficient file management and distribution, achieving a 99.9% uptime with zero data loss.
- Setup CI/CD pipelines with GitHub Actions and Vercel, automating flexible and configurable deployment workflows, improving reliability and reducing manual errors.
- Developed asynchronous web scraping programs in Go and Python, automating the collection of over 4000 exercises for the Temple fitness project.
- Collaborated extensively with clients to align custom solutions with business goals, resulting in positive feedback and ongoing engagements.
- Reduced bandwidth usage by 70% and improved page load time by 80%, by integrating a CDN for displaying client's portfolio content.
- Created RESTful APIs with parsing, Zod validation, and error handling, ensuring safe collection and storage of real-time data for client site analytics.

JUL 2023 - DEC 2023

### Founder • Buff'd Up Coatings

- Led market research, branding, and strategy for a concrete coating startup.
- Hands-on experience with suppliers and execution challenges.

JAN 2020 - MAY 2023

### Founder • Desirem

- Scaled e-commerce revenue by 125% annually through UX improvements, targeted ads, and data-driven product strategies.
- Cut fulfillment costs by 10% by optimizing inventory and distribution.

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## Skills

### Programming Languages

Python, JavaScript, TypeScript, Go, HTML, CSS, SQL

### Libraries & Frameworks

Asyncio, Express.js, Next.js, Node.js, React, Zustand, Tailwind CSS, Shadcn UI

### Tools, Platforms & Databases

AWS, Docker, Git, GitHub, Netlify, Vercel, MySQL, PostgreSQL

## Selected Projects

### InMeasure

[inmeasure.com](https://inmeasure.com)

Developed an analytics tool that provides real-time insights into website performance. Implemented by a simple one-line code integration that allowed clients to effortlessly track user behavior.

### Temple

[trytemple.com](https://trytemple.com)

Created a full-stack fitness application where users can create, track, and log workouts.

### Marvelous Light Meda

[marvelouslightmedia.com](https://marvelouslightmedia.com)

Built a responsive website for a wedding videography service, focusing on SEO optimizations, reducing load times by 80% and achieving the first listing of Google.

## Education

### Self-Education In Computer Science

- Harvard University Online: Object Oriented Programming
- FreeCodeCamp: Web Development, Data Structures, and Algorithms