

SKILLS

Programming Languages | Python 3, JavaScript ES6+, TypeScript, C#, SQL, HTML5, CSS3
System Design | Monoliths, Microservices, Domain-Driven Design, REST, Pub/sub, Event-Driven Design
Frontend | React, Bootstrap, Chakra UI, DOM Manipulation, Websockets, Highcharts, Figma
Backend | FastAPI, Django 4, PostgreSQL, MongoDB, JSON, NodeJS, Pandas, CRUD, Asynchronous APIs
Devops | CI/CD, Command-Line Tools, Docker, QA Automation, Git, Test-Driven Development, Cypress, AWS
Operations | Business Development, Project Management, Sales, Marketing, Scrum, Agile, Accounting, Jira

PROFESSIONAL EXPERIENCE

Full Stack Developer Volunteer | Change Climate Project Jun '24 - Present
TypeScript, Python, React, NodeJS, Figma, Cypress, CI/CD, Pandas, Jira

- Integrate **high quality TypeScript and React code** to visualize customer data and create an attractive UI
- Write **Cypress unit and functional tests** to **automate build processes and continuous integration** with **git** for this **large-scale application**
- Use **Jira** to facilitate Scrum practices with teammates in an **Agile environment**, **proactively raising issues** to preempt disruptions in delivery

Founder & Operations Director | Wadjet LLC | Wadjet.com Apr '20 - Feb '24

- Developed **project management workflows** to make **365 programs accessible to blind audiences globally** each year
- Employed excellent communication skills to **establish relationships with design and product management teams across 5 countries**
- **Managed day-to-day operations**, communicating with key stakeholders to ensure projects were completed on schedule **93% of the time**
- Leveraged **data analytics systems** to inform decisions and **double revenue every year of operation**
- Collaborated with **cross-functional teams** to produce **ADA compliant** voiceover for **major streaming services** (Netflix, Disney+, etc)
- Created a **brand** that emphasizes an **exceptional customer experience** to **capture business** from larger, volume-focused competitors

Firefighter | Telluride Volunteer Fire Department Dec '20 - Sep '22

- Worked under pressure with a team to rescue patients from life-threatening **fire and medical emergencies**

RELEVANT PROJECTS

Full Stack Engineer | SPA Portfolio Website | JohnGrayDev.com Jun '24
React, JavaScript, HTML, CSS, Bootstrap

A single page web application showcasing my skills and projects.

- Used React and Bootstrap to create a **responsive design** that looks great on mobile and desktop
- **Integrated 3rd party API** EmailJS to handle messaging

Full Stack Engineer | Booky | Book Club Social Media Platform May '24
FastAPI, React, Docker, JavaScript, Python, HTML, AWS, CI/CD, JSON

A book club scheduling app that raises the stakes with a betting system which incentivizes readers to finish their books and win big!

- **Designed, developed and deployed** a RESTful React app using a **FastAPI framework**
- Implemented **asynchronous APIs** to craft a **fun betting system** that **positively reinforces user participation**

Developer | Candy Cruisers | Puzzle Video Game Mar '24
C#, Pub/sub, Event-driven design, Unity

A matrix-based action puzzle game which leverages algorithms and data structures.

- Built **N-ary search algorithms** for a **165% efficiency improvement** sorting elements in a **dynamic matrix**
- Created a **pub/sub event system** to architect a modular development environment with **complex decoupled systems**

EDUCATION

College of the Holy Cross | BA English | 3.8 GPA | Worcester, MA

Hack Reactor | Advanced Software Engineering Immersive Program

- Logged **750+ hours of coding time** in this rigorous full stack application bootcamp with a **<3% acceptance rate**