

# Thomas Cantwell

Full-stack developer. I believe in the importance of readable and maintainable code, iterative improvement, and continuous learning. Before changing careers in 2020, I was a small business owner and entrepreneur.

## EXPERIENCE

### Future Foundry — Mid Level Full Stack Developer

Remote web and app development agency

MAY 2021 - SEPTEMBER 2023

I developed and maintained codebases for a variety of external clients. My responsibilities also included planning and implementing several database and route designs, and working with other developers to ensure clients' needs were met quickly and with quality.

#### CollegeAidPro, MyCAP (Aug 2021 - Sep 2023)

MyCAP is a platform that offers customized financial planning for higher education.

Next.js | React | PHP Laravel | MySQL | HTML | CSS | AWS

- Project lead for frontend and backend as well as primary technical contact for client
- Planned and scoped product requirements
- Collaborated with another vendor to integrate a custom API, co-design new features, and optimize shared database table structures
- Had direct read/ write access to customer database
- Overcame unique challenges with a shared architecture and implemented business logic that coordinated multiple backends efficiently
- Implemented custom whitelabel versions of the site including theming, auth0 authentication and SSO Tokens
- Delegated and reviewed work for other contributors
- Designed intricate user interfaces optimizing user experience for complex forms

#### Tiny Goliath, Amazon Fulfillment App

Shopify App that allows sellers to leverage Amazon's infrastructure for inventory storage, shipping, and returns while selling products on their Shopify store.

Ruby on Rails | PostgreSQL | AWS

- Served as project lead for backend development from inception to publishing of the app while working closely with the frontend developer
- Integrated Shopify API and Amazon's Selling Partner API, including using AWS IAM for securely managing customer's data
- Quickly and accurately digested API documentation to properly plan and scope feature requirements
- Developed and optimized synchronization protocols to effectively manage the data flow between diverse systems and maintain data consistency in distributed environments, leading to enhanced system reliability and user trust

#### Lux Capital

Venture capital firm based in New York City that focuses on investments in emerging technologies.

Next.js | React | Vue | NestJS | HTML | CSS

- Enhanced internal accounting data management tools
- Migrated the presentation site codebase from React to Next.js

#### Government Agency Recruiting Project

Public facing immersive and interactive recruiting experience

Electron | React | LokiJS | HTML | CSS

- Worked as the backend developer to update the recent iteration of the project, allowing more customizable versions of the project to be deployed and increase the number of kits in the field

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## SIDE PROJECTS

### Pixel V — Advanced pixel art drawing app

<https://pixelvee.netlify.app> | [Github](#)

JavaScript | HTML | CSS

- Optimized graphical interface with multiple onscreen and offscreen HTML Canvases
- Created functionality around actions which are reversible with an undo/redo stack
- Built an HSL (Hue, Saturation, Lightness) color picker from scratch for intuitive color selection
- Implemented tool for rasterizing bezier curves using Bresenham's Algorithm

## EDUCATION

### Flatiron School, New York, NY

Full Stack Web Development, Ruby on Rails and JavaScript program

JANUARY 2020 - MAY 2020

### University of California, Irvine, Irvine, CA

Bachelor of Arts in Studio Art

SEPTEMBER 2006 - JUNE 2010

## HOBBIES

Baking, Birding, Foraging, Mycology, Photography, Pixel Art

## FRAMEWORKS / TOOLS

Next.js | React | Laravel | Rails | Node.js | Rspec | Electron | Heroku | AWS | Jira | Photoshop

## LANGUAGES

JavaScript | PHP | Ruby | SQL | HTML | CSS