

# ANDREW THURMAN | SOFTWARE ENGINEER

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[Portfolio](#)

[LinkedIn](#)

[GitHub](#)

Tech: Node.js, Next.js, JavaScript, TypeScript, React.js, Redux, HTML5, CSS, Tailwind, SQL, postgresSQL, Express, Sequelize, Python, Flask, SQLAlchemy, Docker, Salesforce, Heroku, AWS, Twilio, Resend, Render, Vercel,  
Other skills: Business Management, Team Development, Training & Instruction, Continued Education

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## TECHNICAL EXPERIENCE

### **Freelance Web Developer – Full-Stack Engineer - 2023 - Present**

- Collaborate with clients to define project requirements and objectives, ensuring a clear scope and vision.
- Conduct comprehensive project planning, including outlining specifications, milestones, and timelines.
- Design responsive & appealing interfaces(UI) and user experiences(UX) using many web technologies.
- Develop custom web applications, leveraging TypeScript and Python, as well as frameworks like React, Redux, Next.js, TailwindCSS and more.
- Implement robust back-end solutions, integrating databases(SQL or NoSQL) and RESTful APIs to ensure seamless data handling.
- Deploy projects to web servers or cloud platforms(AWS, Heroku) and configure domain and hosting
- Create thorough documentation and provide clients with user guides and training for seamless project maintenance.
- Maintain open communication with clients to accommodate changes, updates, and ongoing support.

### **CottageCare – Lead Software Engineer - 2021 - 2023 (Contract)**

- Led Full Software Development Life Cycle (SDLC): managed end-to-end development of a call center automation application, from conception to deployment.
- Developed application to automate administrative tasks, saving an average of 5 minutes per call.
- Time Efficiency Gains: Saved a total of 1750 minutes per week for call center representatives, allowing more focus on sales and customer engagement.
- Increased total calls taken by an estimated 8.2%, enhancing call center efficiency and resulting in an estimated increase of 7.6% orders per week.
- Achieved Significant Payroll Savings: Through automation and efficiency improvements, achieved weekly payroll savings of approximately \$495.83.

### **App Academy – Cohort Leader - 2021-2023**

- Managed cohorts of students ranging in size from 90 to 150 through 20 weeks of coding instruction, maintaining a graduation rate of 83%.
- Reviewed student reports & code daily to assess strengths/weaknesses, and created plans for equitable class instruction.
- Tailor pair-programming and group experiences to maximize student productivity & knowledge retention.
- Assist instructional & curriculum staff in building a strong foundation of knowledge in web development principles.
- Delivered 1-on-1 instruction, daily class lectures and additionally created code-along projects.

## MANAGEMENT EXPERIENCE

### **Vintage Stock** – *General Manager - 2012-2020*

- Cultivated team success through 1-on-1 coaching aligned with company culture,
- Generated \$10.5m in revenue, \$4m in profit during 8 yr tenure and reduced payroll cost from 11.5% to < 9%.
- Hired and trained 3 employees that would be promoted to general manager of their own, different location.
- Provided owners with succinct quarterly reports providing insights and actionable feedback on store financials, product trends, and opportunities for improvement.
- Created guidelines and training documentation for a new service to be offered company-wide, which went on to generate \$81k sales & ~\$60k profits within the first year.

## PROJECTS

### **Jake Hembree Design** - *Portfolio site for graphic artist / designer*

[github](#)

- Created a responsive portfolio website/art gallery using React, TailwindCSS, Framer-Motion, and vanilla CSS to showcase a local graphic designer's work.
- Implemented user-friendly contact forms with Resend integration for efficient email templating and sending, enhancing client communication.
- Collaborated closely with the graphic designer to translate their artistic vision into a visually appealing, brand-consistent design.
- Delivered the project on time and within budget, meeting the client's expectations and receiving positive feedback for the website's performance, aesthetics, and functionality. This project demonstrates my proficiency in front-end web development, UI/UX design, and client collaboration.

### **LittleJohn** – *A pared-down clone of RobinHood.com, a popular stock trading website.*

[github](#)

- Utilized TradingView/DevExtreme charting packages to implement multiple data visualizations, allowing users to see portfolio distribution, current and historical market values at a glance.
- Implemented websocket connection to Finnhub.com and AlphaVantage.com to track trades and market movement, allowing stock charts and graphs to update in real time.
- Designed and created a relational database, using SQLite3, Flask SQLAlchemy, and Alembic for storing user data including multiple portfolios and trades.
- Designed robust error handling measures on the front-end with custom functions, and on the backend using Flask Login, WTForms and custom validators.

### **LFG app** - *Looking for Groups is a pseudo clone of EventBrite focused on online social gaming events.*

[github](#)

- Utilized CSRF Cookie validations as well as Werkzeug hashed passwords allowing safe and secure auth.
- Integrated Discord server for each event, enabling live social interaction on every event page.
- Developed unique UI/UX for unauthenticated vs authenticated users & event hosts.
- Constructed relational database using Postgres, SQLAlchemy and Alembic to store event data, allowing users to filter & search events by tag, category, or title.
- Connected Flask back end to AWS s3 bucket, giving users the ability to upload product images, and profile pictures while maintaining network speed.

## EDUCATION

### **App Academy** | *Full Stack Software Engineering*

Graduated top 10 - 4.0

- Immersive 24-week software development program covering SDLC Best Practices, and Agile Methodologies, and web development while students accrue 600+ hours of pair coding experience.