ANDREW THURMAN | SOFTWARE ENGINEER

email: drewthurmcodes@gmail.com   Portfolio   LinkedIn   GitHub
phone: 913.439.0922

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

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
- Collaborated with the client to define project requirements and objectives, ensuring a clear understanding of their vision.
- Conducted comprehensive project planning, including outlining budget, milestones, and timelines.
- Designed responsive and visually appealing user interfaces (UI) using React, TailwindCSS, Framer-Motion and HeadlessUI
- Integrated Resend API and conditional templating to enable custom email formatting and functionality.
- Deployed project to Vercel and configured domain and hosting settings.
- Conduct thorough documentation and provide clients with user guides and training for seamless project maintenance.

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.