

Elias Spector-Zabusky

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EXPERIENCE

Software Engineer

Engage Partners

Sept. 2023 – Mar. 2024

Remote

Designed, developed, and deployed features and custom versions for a Chrome extension that generates social media content using OpenAI's API ([Click2.ai](#)) with TypeScript, Node.js, React, Styled Components, and AWS.

- Reimplemented the core product in collaboration with founder, team of 4+, and UX designer; deployed [Political Scribe](#) with new sign-up UI and per-user configuration, attracting potential clients including national politicians.
- Developed reusable library functions and React components in TypeScript for dynamic, site-agnostic features, speeding up both future site integrations and to-spec business customizations by ~50%.
- Architected and implemented a serverless backend with AWS; used Cognito and Amplify for identity management and Lambda functions to allow for secure integration of key 3rd party services.
- Integrated Stripe-based payment processing into the backend architecture, enabling monetization of the product.
- Migrated OpenAI calls to GPT-3.5 Turbo and its more configurable multi-shot prompting API, increasing customer satisfaction with generated content by ~40%.
- Evaluated technical viability of new business domains, helping founder prioritize core product customizations.
- Organized code reviews and pair programming to nurture a cohesive team dynamic and a culture of code quality.

eCommerce and Web Services Manager

Robin Baron Design

Nov. 2020 – Jan. 2023

Remote (New York, New York)

Managed 8-10 freelancers and 12,500+ SKUs from ~40 vendors for an interior designer's eCommerce Shopify site. Project managed site growth in line with company roadmap. Wrote HTML and CSS to maintain and customize site.

Professional Musician

Freelance

Nov. 2015 – Present

New York, New York

Guitarist, producer, songwriter, and arranger for bands including [Stolen Jars](#), Pow Pow Family Band, and Goblynne.

TECHNICAL SKILLS

Frontend: React, TypeScript, JavaScript, Next.js, Styled Components, Tailwind CSS, Chakra UI, HTML5, CSS3

Backend: Node.js, Python, Express.js, Flask, AWS, MongoDB, Mongoose, GraphQL, SQL, MySQL, Sequelize

Dev Tools: Jest, Insomnia, Git, GitHub, Figma, MS Excel

PROJECTS

PT Timers | github.com/ColdWeatherBoyy/pt-timer | <https://physicaltherapytimers.eliassz.com/>

Built-to-spec app for physical therapy patients to save custom exercise timers by length and consecutive repetitions, deployed with AWS Amplify. Built with Next.js, TypeScript, Tailwind CSS, React, Cognito, and DynamoDB.

- Implemented a state machine for timer status, enhancing UI/UX with dynamic, real-time audio-visual feedback.
- Integrated AWS Cognito for authentication and AWS DynamoDB for secure, per-user data management.

Chattitude | github.com/ColdWeatherBoyy/Chattitude | <https://chattitude.eliassz.com/>

A messaging app with a global chat for all users, account persistence and updateability, and chat history, deployed with Heroku. Built with React, JavaScript, ChakraUI, WebSockets, Node.js, Express.js, MongoDB, and Mongoose.

- Used JWT, bcrypt, and HTTP-only cookies to build a secure, scalable, and XSS-resistant authentication system.
- Engineered WebSocket front/back-end handshake to monitor active users and connections in real-time.

EDUCATION

Brown University | Providence, Rhode Island

2011 – 2015

Bachelor of Arts in Theatre Arts and Performance Studies

Phi Beta Kappa | T. Carpenter Elocution Award

Columbia University | New York, New York

Jan. 2023 – Apr. 2023

Certificate in Full Stack Web Development

Harvard Business School Online

Feb. 2023 – Apr. 2023

Certificate in Business Analytics