Elias Spector-Zabusky

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EXPERIENCE

Software Engineer   Sept. 2023 – Mar. 2024
Engage Partners   *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   Nov. 2020 – Jan. 2023
Robin Baron Design   *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   Nov. 2015 – Present
Freelance   *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