

# Corey Summa | Software Engineer

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**Primary Languages:** Javascript, Python, HTML, CSS.

**Frameworks & Libraries:** Django, React, Node.js, Express.js, Mongoose, Redux, Bootstrap CSS, JQuery, Swiper, Framer Motion.

**Tools & Platforms:** Figma, Trello, Git, VS Code, AWS Lambda, AWS Gateway, AWS S3 Bucket, VMware, Heroku, Netlify.

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## Professional Experience

**Freelance Software Engineer** - Contract | Austin TX, Remote | Oct 2023 - Present

*Developed a Chrome extension, automating key operational tasks:*

**HTML | CSS | Javascript | Puppeteer Library | JQuery | Heroku | Express.js | Node.js | Git**

- Optimized data capture of input values to an internal tool, significantly aiding the startup in proving their concept and enhancing their processing capabilities.
- Engineered a chrome extension that circumvented lack of API access to a government database, automating internal processes and restructuring workflow that enhanced efficiency by 100%.

*Launched a customizable chatbot presented at a conference:*

**HTML | CSS | Bootstrap CSS | Javascript | Generative AI | AWS Lambda**

- Pioneered a customizable chatbot with clean, structured code, designed for easy adaptation.
- Implemented AWS Lambda for serverless backend architecture, ensuring scalability.
- Applied third-party GPT chat completion API for advanced conversational AI capabilities.
- Delivered fully customizable chatbot in both objective and frontend UI for tailored user-experience.

**Full Stack Software Engineer** - Personalized AI | Austin TX, Remote | Apr 2023 - Sep 2023

**HTML | CSS | Javascript | Python | Django | MySQL | Apache | AWS | Linux | Generative AI | Git**

- Restructured codebase to integrate Django templates, enhancing dynamic content delivery, code reusability, and speeding up development processes.
  - Grew user advancement by 200% by leading UI overhaul for site landing page.
  - Utilized Google analytics to identify key user exit points, and formulated site improvements.
  - Integrated generative AI APIs for custom responses through personalized text and images.
  - Managed and manipulated SQL database, safeguarding data integrity while executing queries.
  - Collaborated effectively with cross functional team members through Git version control systems.
  - Architected an innovative checkout process that significantly improved retention rates by 70% while ensuring security of payment data.
  - Met and exceeded project deadlines, both independently and through effective teamwork.
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## Featured Projects

**MiState** - HTML | CSS | Bootstrap CSS | Javascript | Express | React | ReChart | Framer Motion | Node.js | MongoDB | RESTful Architecture | Git - Apr 2024

*Employed the MERN stack to produce a digital journal with data visualizations for emotional wellbeing.*

- Created a platform with full Create, Read, Update, and Delete(CRUD) capabilities.
- Aggregated all user emotional data in creating visualizations through the ReChart library.
- Integrated RESTful APIs for seamless data handling and streamlined backend communications.
- Implemented custom JWT authentication, ensuring secure user data management.
- Prioritized clean and efficient code structure enhancing maintainability and scalability.

**AI Horoscope** - HTML | CSS | Javascript | React | Redux | Axios | AWS Lambda | AWS Gateway | DynamoDB | Swiper | Framer Motion | Netlify | Git - Nov 2023

*Prototyped a proof-of-concept that cultivates generative daily horoscopes based on the user's Zodiac Sign, Time, Date, Location, Weather, Temperature, and Day of the Week.*

- Gathered and saved asynchronous data for each user through local state and Redux state management systems.
  - Used Google reverse geolocation API, Open Weather API, GPT 3.5 Turbo API, and Yelp Fusion API to provide more personalized results based on real-time user data.
  - Architected a seamless conversational experience for returning users through AWS Lambda, AWS Gateway, and DynamoDB for real-time tracking of user return rates based on IP address.
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## Education & Certifications

- General Assembly, Los Angeles, CA | Dec 2022 | Software Engineering
- Delaware County Community College | Associates | Liberal Arts