

# Roberto Contreras – Full Stack Developer

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## TECHNICAL SKILLS

**Front End:** Javascript | HTML | CSS | React.js | TailwindCSS | Typescript | Next.js | Redux

**Back End:** Node.js | Express.js | PostgreSQL | MongoDB | Caching / Cache

**Other:** Github | Git | Heroku | Netlify | Vercel | CLI | RESTful API Development | TDD | CI/CD | CircleCI | Agile

**Languages:** English | Spanish

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## WORK EXPERIENCE

### *One Community Global - Full Stack Developer | Aug 2023 - Present*

- **Strengthened Website Security:** Identified and addressed potential security risks by recognizing HTTP requests originating from the client, which posed a threat of exposing API keys to malicious developers. Mitigated this vulnerability by strategically transitioning crucial requests to the backend, ensuring the secure handling and concealment of API keys, thereby fortifying overall system security.
  - **Implemented Email Notifications:** Contributed to the enhancement of website security by implementing backend authentication and incorporating email notifications. This proactive measure aids in the early detection of unauthorized activities, providing a crucial layer of protection to the system.
  - **Enhanced Frontend Performance:** Implemented a cache-clearing solution in the backend repository, significantly reducing frontend update time from 2 minutes and 40 seconds to 8 seconds. This enhancement resulted in improved system responsiveness and an enhanced user experience.
  - **Bug Resolution and Hotfix Implementation:** Proactively identified and resolved a critical bug in the frontend repository related to identical IDs shared by two child components. Implemented a solution to differentiate the IDs, ensuring smooth functioning during onChange events without compromising system performance. Additionally, contributed to the rapid identification and resolution of immediate and major complications within the codebase, providing timely hotfixes to maintain system stability.
  - **Technology Proficiency:** Leveraged a diverse set of technologies, including MongoDB, React, Redux, Node, and Slack, to successfully execute assigned tasks and contribute to the continuous improvement of the organization's digital infrastructure.
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## PROJECTS

### *Job Tracking Bot- Discord Bot | [Github Link](#) | [Demo GIF](#)*

- Developed and deployed a Discord bot using Discord.js on Heroku, integrating MongoDB as a NoSQL database for automated job tracking and storage of job posting information.
- Created user commands for managing job postings, including viewing, updating statuses, and adding new postings.
- Utilized the OpenAI npm package to generate personalized cover letters, dynamically tailored to specific job requirements, showcasing adaptability and efficiency in the application process.

### *Typing Test App- Full Stack Project | [Github Link](#) | [Deployed Link](#)*

- Developed a typing test web application using React, Node.js, Express, Tailwind CSS, Victory, and TypeScript.
- Implemented an algorithm to analyze typing mistakes and provide targeted test recommendations for improvement.
- Created user accounts to store and display a comprehensive list of previous tests, including the most frequent mistakes made. Integrated visual charts to compare the progression of two selected previous tests for performance tracking.

### *HalfBeat - Full Stack Project | [Github Link](#) | [Deployed Link](#)*

- Developed a lyrics web application using Node.js, Express, EJS, MusixMatch API, Last.fm API, and Postgresql.
  - Successfully combined the two unrelated APIs to work together with a high success rate of at least 90%.
  - Engineered playlist functionality, allowing users to create private or public playlists, with public playlists enabling interactions such as commenting and liking by other users.
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## EDUCATION

**General Assembly- Full Stack Software Engineering Immersive**

Nov 2022 - Feb 2023 | Remote