

MATTHEW CHEN (Open To Relocation)

CAREER SUMMARY

Highly skilled and innovative Full Stack Developer with expertise in various programming languages and technologies. Proven track record of delivering cutting-edge UI components, leading teams to increased productivity, and spearheading impactful open-source projects. Adept at streamlining processes, driving efficiency gains, and providing strategic solutions to Fortune 500 clients. Passionate about leveraging technology to address environmental challenges and drive positive social impact.

CORE COMPETENCIES AND SKILLS

Programming Languages: Javascript | Python | Java | C++ | Typescript | Terraform | HTML/CSS | **Technologies:** React.js | Redux | Vue.js | Node.js | Express | Bootstrap | SASS | Webpack/Vite | Next.js | AWS | Docker | Git | RESTful APIs | Babel | Django | SEO | Jest | Mocha | HTTP | Stripe | Flask | Kubernetes | MongoDB | SwaggerUI | Storybook.js | Tensorflow | Styled Components

PROFESSIONAL EXPERIENCE

Software Engineer, Dataworks Visualization Team | Aspen Technologies **Jun 2023 - Present**

- Engineered groundbreaking UI components, resulting in a 30% improvement in efficiency and a 25% reduction in load times
- Mentored and guided team members, contributing to a 20% increase in team productivity
- Resolved critical Vue.js and Typescript issues within a Web-Based Graphics App
- Executed rigorous software testing, achieving a 95% test coverage and identifying 80% of bugs before deployment

Software Developer, Cloud Engineering Team | IBM - Austin, TX **Aug 2022 - Jun 2023**

- Developed, tested, and debugged UI components, resulting in a 40% increase in project efficiency
- Orchestrated the configuration and provisioning of Cloud Computing environments utilizing Terraform and HCL, streamlining deployment processes by 50%
- Designed and built out RESTful APIs with Python Flask, and database connections
- Contributed to the open-source community by releasing custom React UI components on IBM's public GitHub
- Successfully slashed client onboarding time from 7 weeks to 1-2 weeks, resulting in a 60% increase in client satisfaction
- Provided strategic solutions to multiple Fortune 500 clients, addressing their requests with various IBM Cloud technologies, Schematics and Blueprints, and Red Hat Openshift

Software Developer Intern, Space Tech Team | IBM - Austin, TX (remote) **May 2021 - Aug 2021**

- Developed a website, enabling users to sign up for CubeSat satellite launch updates, achieving a 50% increase in engagement
- Spearheaded the creation of an open-source deep-learning object detection project
- Established a streamlined PlasticNet machine learning pipeline accessible through CLI, facilitating effortless model training and testing, leading to a 30% reduction in development time

PROJECTS

[Sapphire By The Sea](#)

- Developed a full-stack direct booking platform for short-term rental property, enabling guests to make payments securely
- Integrated Stripe API for payment handling and identification verification, along with PriceLabs API, Google Maps API, Google ReCAPTCHA v3, and Esignature.io for enhanced functionality
- Employed React + Bootstrap for front-end and Express (Node.js) for back-end, integrating Stripe API for Payment

[Airbnb Search and Scraper](#)

- Executes Airbnb searches, accurately determining the page placement of your listing
- Scrapes comprehensive data on your listing and others in the search results, efficiently storing it in both .csv and .txt file formats for analysis and reference

[ICSE React Assets](#)

- A collection of forms and inputs using @carbon/react to streamline the creation of some front-end assets for automation tools

[IBM/Plastic Net](#)

- Created an open-source project to build AI object detection models for classifying plastics, trash on beaches, and ocean debris

[Help Desk Ticket System Project](#)

- Practice full-stack project, users can submit support tickets, and admins can respond to tickets and update ticket status
- React + TypeScript + Vite frontend, Node.js + Express MVC backend, and MongoDB storage

EDUCATION AND CERTIFICATION

- Bachelor of Science - Computer Science Texas A&M University Aug 2018 - May 2022
- IBM Cloud Certified Technical Advocate v2 2022
- IBM Cloud Kubernetes and Containers Essentials 2022
- IBM Cloud Microservices Essentials 2022
- TypeScript Essentials - Codecademy Certificate of Completion 2024