

Han Chen

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EXPERIENCE

Stellar Services - New York, NY

Feb. 2023 – Present

Software Engineer / React | Angular | .Net | TypeScript | JavaScript | SQL Server

- Spearhead enhancement and optimization of enterprise Contract Management System for the Port Authority of NYNJ using **React** and **.Net**, implementing feature enhancements, bug fixes, and UI/UX upgrades.
- Perform comprehensive migration of .Net backend from version 3.14 to version 8, addressing package compatibility, deprecated functions, resulting in substantial performance, security, and support improvements.
- Develop and deploy contract-winning Project Management Information System prototype for the Port Authority, using **Angular** and **TypeScript** to implement a pixel-perfect and web responsive interface and full **CRUD** (Create, Read, Update, Delete) APIs for multiple MVPs.
- Lead the development of a database integration platform prototype for a county justice department, utilizing React and **JavaScript** for the front-end and .Net and Azure data lake for the back-end.
- Optimize database search algorithm that significantly reduced load times by up to 82% (from 11s to 1.8s), processing more than 400,000 entries.

DBC Education and Tech Co. - Remote

Aug 2021 – Aug 2022

Instructor / Python | SQL | Pandas | NumPy | OOP

- Created and instructed a comprehensive data analytics curriculum for college and graduate students, covering **Python**, **SQL**, **Pandas**, **NumPy**, Data Visualization, object-oriented programming (**OOP**), and various computer science concepts.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, TypeScript, Python, C#, Ruby, SQL, CSS, HTML, Command Line
- **Frameworks:** React, Angular, Next.js, ASP .NET, Ruby on Rails, Express.js, Node.js, MERN
- **Technologies:** Redux, Tailwind, Media Query, AWS, Azure, DevOps, CI/CD, Webpack, REST API, OOP, MongoDB, PostgreSQL, Google Maps APIs, SQL Server, Git, Pandas, NumPy

PROJECTS

Cozybnb | React | Redux | Rails | PostgreSQL – *web-responsive*

[Live Site](#) | [GitHub](#)

Pixel-perfect clone of Airbnb where users can view and manage listings, book reservations, and leave reviews.

- Utilized **React Hooks** to create interactive features including location search, reservations calendar, star-rating review system, and file uploads, leveraging **AWS S3** for image hosting while integrating **Google Maps**, **Places**, and **Geocoding APIs** for locations.
- Built a scalable **Ruby on Rails** back-end with a relational database that incorporates user authentications, password encryption, error handling, and full **CRUD** APIs for listing, review, and reservation MVPs,
- Established **web-responsive** and cross-device compatibility using **media queries** and **flexbox** CSS styling, ensuring optimized performance and an enhanced user experience across desktops, tablets, and mobile phones.

Aviquest | MongoDB | Express | React | Node (**MERN**) – *desktop application*

[Live Site](#) | [GitHub](#)

Gamified task manager application that helps users stick to their goals and build good habits.

- Designed and implemented interactive features including a to-do list, item inventory, gear equipment, and shop system utilizing **React hooks**, creating a seamless and engaging user experience.
- Led a team of four engineers, implementing **Agile** workflows, **Git** branch protection, and **code reviews**. Boosted efficiency and productivity through daily stand-up meetings, fostering seamless collaboration.

EDUCATION

App Academy

New York, NY

In-person Curriculum of Study in Full stack Web Development – (Ruby on Rails, JavaScript)

2022

New York University - Tandon School of Engineering

New York, NY

Bachelor of Applied Science in Business & Technology Management (STEM) – (Python, SQL)