

# Han Chen

[LinkedIn](#) | [han.c91028@gmail.com](mailto:han.c91028@gmail.com) | (212) 961-7000 | New York, NY | [Portfolio](#)

## EXPERIENCE

### Stellar Services - New York, NY

Feb. 2023 – Present

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

- **Workforce Management System:** Established a workforce management system using SPFX and TypeScript to create components for Timesheet management, Staff Utilization, Job Management, and Budget Reports, resulting in a 40% reduction in employee allocation hours.
- **RESTful APIs:** Developed backend RESTful APIs using .Net to handle client-side CRUD operations integrated with SQL Server to optimize data flows, improve scalability, and reliability.
- **Performance:** Enhanced API performance by throttling excessive requests and implementing parallel processing, reducing load times by up to 90%. Applied SQL query optimization techniques to accelerate read times by 60% for substantial datasets.
- **UI/UX:** Led feature enhancements, resolved critical bugs, and implemented new interfaces utilizing React class and functional components, delivering a seamless and intuitive user experience for stakeholders.
- **CI/CD Pipelines:** Developed and maintained CI/CD pipelines using Azure DevOps, streamlining build, test, and deployment processes to ensure smooth application rollouts and enhance system scalability and availability in the Azure cloud environment.
- **Back-end Migration:** Performed comprehensive migration of .Net backend from version 3.14 to version 8, addressing package compatibility and deprecated functions, resulting in substantial performance and security upgrades.
- **Enterprise System Optimization:** Spearheaded the enhancement and optimization of the enterprise Contract Management System for the Port Authority of NYNJ using React and .Net, implementing feature enhancements, bug fixes, and UI/UX upgrades.

### 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**.
- 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

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

New York, NY  
Aug 2022 – Dec 2022

### New York University - Tandon School of Engineering

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

New York, NY