# Han Chen

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## EXPERIENCE

**Stellar Services - New York, NY – Technical Lead**                                    Feb. 2023 – Present
**Client: AECOM Tishman**                                                                Aug. 2024 - Present

*Technical Lead | Python | REST API | Django | SQL Server | DevOps*

- Led a team of 5 engineers to design and implement a Data Integration Platform using **Python** and cloud solutions, optimizing **ETL** workflows for large datasets with automated validation and multi-threading.
- Enhanced **API** performance by 90% through request throttling and parallel processing, improving query responses by 60% via **SQL** optimizations, significantly reducing downtime and increasing client satisfaction.

**Client: Port Authority of NY NJ**                                                      Feb. 2023 – Aug. 2024

*Full Stack Software Engineer | React | .NET | TypeScript | SQL | CI/CD*

- Led the migration of a legacy **.NET** Core backend (v3.14 to v8), resolving 150+ compatibility issues and increasing system performance by 35% while upgrading security protocols, leading to a 30% decrease in system errors.
- Developed scalable **RESTful APIs** using **Django** and SQL Server to streamline **CRUD** operations, enhancing data flow efficiency, and boosting system reliability by over 30%.
- Created a Workforce Management System using **SPFX** and **TypeScript**, automating employee tracking, boosting staff utilization by over 20%.
- Developed and maintained **CI/CD** pipelines using **Azure DevOps**, automating build, test, and deployment processes across environments. Implemented automated testing, code linting, and security checks, ensuring flawless deployments.
- Enhanced **UI/UX** for internal tools using **React**, optimized performance through lazy loading techniques, leading to an 80% increase in user engagement and reducing system load times by over 50%.

**DBC Education and Tech Co. – Remote**                                                   Aug 2021 – Aug 2022

*Programming Instructor | Python | SQL | Pandas | NumPy | OOP*

- Designed and delivered a comprehensive data analysis curriculum for undergraduate and graduate students, covering **Python**, **SQL**, **Pandas**, **NumPy**, Data Visualization, and object-oriented programming, empowering students with industry-relevant skills.

## 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, Django
**Technologies:** Redux, Tailwind, Media Query, AWS, Azure, DevOps, CI/CD, Webpack, REST API, OOP, MongoDB, PostgreSQL, Google Maps APIs, SQL Server, Git, Pandas, NumPy, Selenium, Power BI

## PROJECTS

**Cozybnb –** React | Redux | Ruby on Rails | PostgreSQL – *web-responsive*                Live Site **|** GitHub
- Developed a pixel-perfect Airbnb clone with features like location search, reservations, and reviews using **React Hooks**, **AWS S3**, **Google Maps APIs**, and a scalable **Ruby on Rails** backend with full **CRUD** operations, ensuring responsive performance across devices.

**Aviquest –** MongoDB **|** Express **|** React **|** Node – *desktop application*        Live Site **|** GitHub
- Led a team of 4 engineers to build a gamified task manager with features like to-do lists, character customization, and a rewards system using the **MERN** stack, developing a backend using **Express** and **MongoDB** for efficient data storage and retrieval, delivering a polished desktop application.

## EDUCATION

**App Academy –** *In-person Curriculum (**Ruby on Rails, JavaScript**)*        **New York, NY** Aug 2022 – Dec 2022
**New York University - Tandon School of Engineering** *B.A.S in Technology Management (STEM)*        **New York, NY**