

Jesse Chong

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Summary

Driven Full-Stack Software Engineer passionate about solving complex problems and delivering scalable, impactful solutions. Skilled in developing user-focused applications, architecting reliable backend systems, and performing advanced data analysis. Recent experience as a Consultant, designing and implementing API integrations, optimizing workflows, and ensuring system reliability. Excels in full-stack development, API integration, data analytics, and distributed system design.

Technical Skills

Front End: JavaScript, HTML CSS, React/Redux, Node.js, APIs, Data Structures, Algorithms, CLI

Back End: Express, PostgreSQL, Axios, Python, NumPy, Pandas

Data Analysis & Processing: Data Visualization, Statistical Analysis, Excel Integration

Software Development Methodologies: Sprints, Agile, Code Reviews, Pair Programming

Deployment: Netlify, Render

Developer Tools: Git, Github, npm, Postman, Trello, AWS

Professional Experience

Consultant / Freelance Developer | The Ithaca Group (New York, NY)

January 2025 - Present

- Developed Python scripts to retrieve historical financial data via APIs and implemented portfolio optimization using the Markowitz model.
- Designed and built a centralized database to efficiently store and manage financial data.
- Automated Excel reports with integrated financial calculations and data visualizations for executive decision-making.
- Enhanced system functionality and data accessibility by integrating new APIs into the company's CRM.
- Conducted testing and debugging to optimize system performance and reliability.

Uber Technologies Inc. | Delivery Driver (New York, NY)

2020-2024

- Delivered over 4,000 orders with a 98% customer satisfaction rate, optimizing delivery routes using Uber's app for efficient service.
- Provided app functionality feedback to Testlio, contributing to improved app functionality and real-time navigation performance.

Technical Projects

FreshStart (project) | [Live Website](#) | [Repo](#)

A user-friendly app targeted for migrants to easily access information and locations needed to assimilate and thrive in NYC.

- Engineered a responsive, multilingual web app for migrants in NYC to access essential resources, improving accessibility for 500+ users
- Led a 4-member team to build FreshStart using React, Node.js, Express, and PostgreSQL, integrating real-time geolocation and multiple Google Maps APIs
- Integrated Lokalise API with i18next, enabling a multilingual experience supporting 5 languages and increased user engagement by 30%
- Launched a fully functional app displaying over 20+ essential locations, improving resource access for migrants by 40%

Pursuit Hackathon | Participant (New York, NY)

January 2024

- Led a team of 3 in a 2-day hackathon, building an app to help users find public restrooms in NYC using real-time data.
- Developed using React, Node.js, and PostgreSQL, integrating Google Maps and public restroom APIs for live location tracking.
- Managed project timelines, reallocating resources to ensure a working MVP was delivered on time.
- Gained insights into MVP planning and improving project management under tight constraints

Education

Full Stack Software Engineering | Pursuit | Long Island City, New York

March 2023 - April 2024

Relevant Coursework: Javascript, HTML, CSS, React/Redux, PostgreSQL, Test-driven development(TDD)

Queensborough Community College | Business Administration

January 2018 - May 2018

Relevant Coursework: CS-100 : Introduction to Computers and Programming, BU-101 : Principles of Accounting