

Jesse Chong

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[Github](#) | [Linkedin](#) | [Personal Website](#)

Full-Stack Software Engineer

Driven Full-Stack Software Engineer with a passion for solving complex problems and delivering scalable, impactful solutions. Proficient in developing user-focused applications, architecting reliable backend systems, and performing advanced data analysis. Recent experience as a Consultant includes designing and implementing API integrations, optimizing workflows, and ensuring system reliability. Eager to deliver innovative, end-to-end software solutions by leveraging expertise 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 | ISP Group (Zurich, Switzerland)

January 2025 - Present

- Engineered Python scripts to retrieve historical financial data via APIs and perform portfolio optimization using the Markowitz model.
- Built a centralized database to store and manage retrieved data, ensuring efficient and structured access.
- Created automated Excel reports integrating financial calculations and data visualizations for executive decision-making.
- Integrated new APIs into the company's CRM, enhancing system functionality and data accessibility.
- Tested and debugged systems to ensure high reliability and optimized performance.

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, developing an app to guide users to the nearest public restrooms in NYC using real-time data.
- Spearheaded development using React, Node.js, and PostgreSQL, integrating Google Maps and public restroom APIs to provide real-time location data.

- Managed project deadlines, reallocating resources to ensure a working MVP was delivered on time.
- Delivered a partially functional app, learning to properly gauge MVP deadlines and improve project planning under tight constraints.

Additional Experience

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.
- Contributed to iterative improvements in the Uber app by offering insights into the customer experience and navigation issues.

Mad For Chicken | Waiter (New York, NY) 2019- 2020

- Managed high-volume customer orders during peak hours, improving table turnover rates by 15%.
- Acted as a liaison between kitchen staff and waitstaff, reducing order delays by 20%.
- Helped improve online customer reviews by 10% through positive interactions and service, contributing to the restaurant's visibility.

Starbucks | Barista & Trainer (New York, NY) 2014- 2019

- Trained 20+ new employees, improving team performance and reducing training time by 25%.
- Created personalized customer experiences through food and drink pairings, boosting customer satisfaction ratings by 15%.
- Improved store efficiency by organizing daily operations, contributing to a 10% increase in sales during peak hours.

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