Carlo Ace Sagad

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EDUCATION

CUNY - Queens College   Queens, NY
BA in Computer Science   *May 2025*

Certifications & Professional Development | Link

EXPERIENCE

Software Engineer - Full Stack Developer   Jul 2025 - Present
The Build Fellowship by Open Avenues   *Remote*
- Developed a personal finance tracker from scratch using React, Next.js, Node.js, and PostgreSQL, allowing users to set budgets, log expenses, and view reports in real time
- Designed and integrated RESTful APIs and a relational database schema to securely manage financial data, improving backend reliability and data integrity
- Collaborated in an agile team to implement full-stack features and deliver a working demo simulating real-world development

Tech Fellow (TIP 102 - Technical Interview Prep)   May 2025 – Present
CodePath   *Remote*
- Mentored 50+ students in Python-based technical interview prep, guiding them through LeetCode-style problems (arrays, stacks, hash tables, etc) and debugging code to improve problem-solving efficiency
- Collaborated with students in 1:1 mentorship and mock interviews, improving their ability to explain code and troubleshoot

Software Engineer - Backend   Mar 2025 - Jun 2025
CUNY Tech Prep Open Source Lab   *New York, NY*
- Designed and implemented backend APIs using Node.js, Express, and Zoom Webhooks to track Zoom events (join, leave, rejoin), reducing manual TA workload
- Collaborated on building a real-time dashboard with React and PostgreSQL, enabling instructors to monitor and export attendance records

Software Engineer - Full-Stack Development Fellow   Jul 2024 – Dec 2024
CUNY Tech Prep   *New York, NY*
- Built and deployed real-world software projects, applying Git workflows, CI/CD, and agile development to gain practical experience in the full software development lifecycle
- Collaborated in a team of 4 to design and implement robust APIs and scalable microservices, strengthening teamwork and communication skills
- Developed full-stack applications using a modern stack (PostgreSQL, Express.js, React, and Node.js), demonstrating proficiency in both front-end and back-end technologies

PROJECTS

EventSphere | Link | *React, JavaScript, Tailwind CSS, SQL, Express.js, Node.js, PredictHQ, Google APIs*   Sept 2024 – Dec 2024
- Led a team of 4 to develop a platform using React, JavaScript, Tailwind CSS, PostgreSQL, Express.js, and Node.js to help users discover, share, and host local events, improving event visibility and user engagement
- Integrated PredictHQ and Google APIs to provide personalized event recommendations and location-based search, enhancing event organizers' ability to reach their target audience

Hackathon Winner | Link | *React, Node.js, MySQL, HTML/CSS, Bootstrap*   Aug 2024
- Developed a full-stack web application using React, Node.js, MySQL, HTML/CSS, and Bootstrap to collect and analyze CUNY-wide student data on food and housing insecurity
- Built full-stack features enabling real-time data flow, earning recognition for software engineering excellence

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, C++, HTML, CSS, SQL
Tools & Frameworks: React, Next.js, Node.js, Express.js, Bootstrap, Tailwind CSS, RESTful APIs
Databases: MySQL, PostgreSQL, MS SQL
Developer Tools: VS Code, IntelliJ, Eclipse, GitHub, SQL Server Management Studio, Azure Data Studio, Tomcat, jQuery, EJS