Carlo Ace Sagad

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EDUCATION

CUNY - Queens College   **Queens, NY**
Bachelor of Arts in Computer Science   Dec 2024
CUNY – LaGuardia Community College   **Long Island Queens, NY**
Associate in Science in Computer Science   May 2021

TECHNICAL SKILLS

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

RELEVANT EXPERIENCE

The Build Fellowship by Open Avenues   **New York, NY**
Software Engineer - Full-Stack Developer   Jul 2025 - Present
- 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

CUNY Tech Prep Open Source Lab   **New York, NY**
Software Engineer - Backend   Mar 2025 - June 2025
- 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
- Added advanced filtering and search features to improve usability and streamline attendance review by meeting

PROJECTS

EventSphere – Event Management Platform   Sept 2024 - Dec 2024
- Led a team of four 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

CUNY Student Needs Survey – CTP Hacks 2024 Winner (SWE Best Practices Award)   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

PROFESSIONAL EXPERIENCE

CodePath   **Remote**
Tech Fellow (TIP 102 - Technical Interview Prep)   May 2025 – Present
- 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 errors under time constraints

Sparc.world   **Remote**
Product/Website Tester Intern   Feb 2024 – May 2024
- Collaborated with a team of 4 developers via Slack and Trello to conduct comprehensive testing of website features, ensuring alignment with business and user requirements
- Contributed to continuous product quality improvement by preparing detailed reports for each feature tested and prioritizing bug resolution based on criticality. Identified, analyzed, and resolved website functionality issue

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- CUNY Tech Prep Certificate of Completion - Software Engineer
- CodePath Intermediate Technical Interview Prep (Advanced)
- The Complete Full-Stack Web Development Bootcamp