Joshua Carpentier

347-219-7865 | joshuaxcarpentier@gmail.com | [LinkedIn](#) | [Github](#) | New York, NY

SUMMARY

Versatile Software Engineer with over 4 years of experience in the tech industry working as a Full-Stack Web Developer, Quality Assurance Engineer, and improving business processes as a Business Systems Analyst, specializing in financial institutions and fintech solutions for the construction industry. Proficient PERN stack, with a proven ability to deliver scalable, secure applications that meet industry standards. Enhanced test coverage by 70% for critical workflows in a high-traffic credit card servicing platform, ensuring reliability and performance. Experienced in SAFe adoption, Jira backlog management, and creating technical documentation, while supporting upskilling initiatives with data-driven decisions. Known for resolving complex technical challenges, delivering impactful technical training, and driving successful outcomes in Agile environments.

TECHNICAL SKILLS

Language: JavaScript (ES6), TypeScript, Python, Java, Bash, HTML/HTML5 & CSS, SQL
Databases: PostgreSQL, MongoDB
Frameworks/Libraries: Bootstrap, Material UI, Express.js, Node.js, React, Redux, Vue.js
PM Tools: Google Suite, Microsoft Suite, Slack, Jira, Trello, Lucidchart, Obsidian
Services: Git/GitHub, Linux, AWS, Postman

PROFESSIONAL EXPERIENCE

Software Engineer | Capital One **|** New York, NY   **Jan 2025 - Current**

-

Quality Assurance Engineer | Capital One **|** New York, NY   **Jun 2024 - Dec 2024**
- Performed integration testing in a micro frontend architecture using the Vue.js testing library and internal tools, ensuring seamless front-end functionality and an optimal user experience for Capital One agents using internal credit card servicing application.
- Executed thorough testing across high-priority credit card types to validate complex workflows involving account managers and authorized users, ensuring accuracy across all user interactions.
- Enhanced test coverage for multiple workflows including "Update Citizenship" and "Request Secure Documents" across various account types, achieving over 75% increase in function, statement, and line coverage.

Business System Analyst | TD Bank **|** New York, NY   **Nov 2022 - Nov 2023**
- Managed product backlog refinement and maintenance in Jira, prioritizing features and defining user stories with clear acceptance criteria. These efforts enhanced team efficiency by 20% and established a well-defined development roadmap.
- Collaborated with and supported Cre8tive Devs, a third-party technical training vendor, to develop and implement an internal upskilling program.
- Developed a skill matrix in PowerBI, integrating key software engineering metrics like velocity, cycle time, and lead time. Analyzed trends in high-demand technologies to drive data-informed decisions, while conducting needs assessments with stakeholders, including interviews with engineers and leads, to align upskilling initiatives with organizational goals and enhance strategic planning and resource allocation.
- Supported the upskilling of 200+ software engineers, from associate to senior levels, by creating documentation and assisting with WSL and Docker setup. This initiative, spanning 10 cohorts over 5 months, covered Java, Spring Boot, Docker, Event-Driven Architecture, and Reactive Programming.

Full-Stack Engineer | TracFlo **|** New York, NY   **Jun 2022 - Sept 2022**
- As part of Tracflo's product launch, developed 13+ features over 16 weeks using a PERN stack. Enabling 50+ general contractors and subcontracting companies to manage projects with over 35 active users.
- Created a ticket feature that enabled users to create, edit, and access equipment and materials, resulting in an average of 135+ tickets per company project.
- Utilized the Knex.js library to construct 30+ migration files for migrating data from older PHP WordPress applications to the new Express.js server running TracFlo's API. This enabled a team of 9+ developers to create new endpoints and routes on the server, completing the project 10% ahead of schedule

CERTIFICATIONS

Google Data Analytics Professional Certificate   **June 2024**

IBM Data Fundamentals   **May 2024**

EDUCATION

CUNY- New York City College Of Technology | New York, NY
BA Computer Information Systems

CUNY Tech Prep | New York, NY
Full-Stack Engineer Apprenticeship

TECHNICAL PROJECTS

DevHiveMind | Deployed Preview   **Oct 2022 - Present**
- DevHiveMind is a centralized and comprehensive software development encyclopedia built-in Obsidian. Meticulously curated, it serves as a valuable resource for both seasoned developers and beginners. This well-organized collection covers a wide range of topics in the software development domain, offering insights, best practices, tutorials, and in-depth explanations of concepts, tools, and technologies.
- **Technology**: CSS, HTML, JavaScript, Java, Python

Under The Wing | Repository   **June 2021 - Oct 2021**
- A web platform that helps college students find working-professional mentors.
- **Technology**: Docker, Express.js, Javascript, Node, PostgreSQL, React