

Joshua Carpentier

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Business System Analyst - TD Bank | New York, NY

Nov 2022 - Nov 2023

- I facilitated the adoption of the SAFe workflow across technical and non-technical teams by collaborating with stakeholders to strategically plan and implement each phase of the process, increasing SAFe adoption by 12% across the entire organization.
- I collaborated with Product Owners, Scrum Masters, and Stakeholders in agile ceremonies (Sprint Planning, Daily Standups, Sprint Review, and Sprint Retrospective), ensuring smooth execution for enhanced team productivity and collaboration.
- I took ownership of product backlog refinement and maintenance in Jira, prioritized features, and defined user stories with clear acceptance criteria. This effort resulted in a 20% increase in team efficiency and provided teams with a clear roadmap.
- Created logical data models for a skill matrix utilizing PowerBI and crucial software engineering metrics like velocity, cycle time, and lead time. Analyzed these models to identify trends and patterns in high-demand technologies.
- I performed thorough needs assessments through close collaboration with stakeholders, conducting interviews with software engineers and their leads. Leveraged collected data to align upskilling initiatives with organizational goals, ultimately enhancing strategic planning and resource allocation.
- Collaborated with and supported third-party upskilling firm Cre8tive Devs in developing and implementing an internal upskilling program.
- I supported the upskilling of over 200+ software engineers from associate to senior level by creating documentation and aiding in WSL and Docker setup. The initiative spanned over 10 cohorts in 5 months, covering topics such as Advanced 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, I developed 13+ features over 16 weeks using a PERN stack within a Linux environment. These features allowed 50+ general contractors and subcontracting companies to manage projects with up to 35+ active users with varying roles and permissions.
- My work included creating a ticket feature that enabled users to create, edit, and access equipment and materials, resulting in an average of 135+ tickets per company project. I managed feature branches, submitted draft PRs, and maintained coding standards while handling merge conflicts.
- Using the Knex.js library, I constructed 30+ migration files to migrate data from older PHP WordPress applications to the new Express.js server running TracFlo's API. This allowed a team of 9+ developers to create new endpoints and routes on the server, 10% ahead of schedule.
- To ensure optimal functionality and minimize potential bugs, I employed TDD (Test Driven Development) by creating 25+ tests using the Chai and Mocha test suite. I meticulously debugged HTTP requests on various routes and extensively tested PostgreSQL database functionality using mock data generated by SQL Fixtures and shell scripts.

Full-Stack Engineer - Independent Consultant | New York, NY

Jun 2021 - Jun 2022

- Using JavaScript, React, HTML, CSS, and Bootstrap, I adeptly crafted over 15 self-contained, reusable, and testable components, completing the project a few weeks ahead of schedule within an 8-week timeframe.
- I Implemented an MVC design pattern to enhance backend performance, realizing a 20% improvement in development efficiency.
- I defined project roadmap and scope for a team of 3+ software engineers, ensuring stability in sprint cycles, deliverables, code reviews, and meeting schedules.

Skills - Typescript, JavaScript, React, Redux, Java, Python, WSL, Linux, Git, HTML, CSS, Markdown, Bootstrap, Material UI, jQuery, NoSQL, Node, Express, Docker, Confluence, Jira, Obsidian, AWS, ChatGpt

CUNY Tech Prep - Full-Stack Engineer Apprenticeship

May 2021

New York City College of Technology - Bachelor's Degree in Computer Information Systems

Dec 2020