

# Joshua Carpentier

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## TECHNICAL SKILLS

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**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

**Services:** Git/GitHub, Linux, AWS, Postman

## PROFESSIONAL EXPERIENCE

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**Quality Assurance Engineer** | Capital One | New York, NY

**Jun 2024 - Present**

- 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 the "Update Citizenship" workflow across various account types, achieving a 73.51% increase in function coverage and a 14.46% increase in statement and line coverage.

**Business System Analyst** | TD Bank | New York, NY

**Nov 2022 - Nov 2023**

- Facilitated SAFe adoption and enhanced team collaboration across technical and non-technical teams by partnering with Product Owners, Scrum Masters, and Stakeholders during Agile ceremonies, leading to a 12% increase in organization-wide SAFe adoption.
- Owned product backlog refinement and maintenance in Jira, prioritizing features and defining user stories with clear acceptance criteria. These efforts increased team efficiency by 20% and provided a well-defined roadmap for development.
- 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 software engineers and their 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 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.

**System Support Engineer** | Blank Tech | New York, NY

**Jan 2020 - May 2020**

- Implemented 50+ testing operations using Hardware-Probe and Bash, including audio, video, touch-screen, networking, and device events. This facilitated the seamless installation of Linux on 100+ devices, serving 500+ clients.
- Created 20+ technical documents on refurbishing 400+ laptops, helping over 12,000 students learn hardware repair and software installation skills.

## TECHNICAL PROJECTS

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### [DevHiveMind](#) | [Deployed Preview](#)

**October 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-October 2021**

- A web platform that helps college students find working-professional mentors.
- Technology: Docker, Express.js, Javascript, Node, PostgreSQL, React

## EDUCATION

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### **CUNY- New York City College Of Technology**

New York, NY

*BA Computer Information Systems*

### **CUNY Tech Prep**

New York, NY

*Full-Stack Engineer Apprenticeship*