

SEAN MACKEY

Software Engineer

P. 646-320-5444 seanmackey315@gmail.com [Portfolio](#) [LinkedIn](#) [Github](#) New York, NY

SKILLS JavaScript, TypeScript, React, Redux, HTML, CSS, Material UI/Emotion, Jest, React Testing Library, Ruby on Rails, PostgreSQL, MongoDB, Express.js, Node.js, AWS, Storyblok, Git, Vite, Cursor, JFrog, REST APIs, VAPI

EXPERIENCE

Associate Software Engineer *New York Life Insurance Company (Ranked #62 on the Fortune 100)* | October 2025 – Present

- Led development of major UX enhancements across AI-powered search and conversational applications, including dynamic filtering, analytics features, accessibility improvements, and audio-based user experiences.
- Designed and implemented a category-specific filtering framework across nine search categories, enabling more granular search refinement and improving user discovery capabilities.
- Drove discovery and implementation of microphone and audio experience enhancements for AI-driven conversations, improving reliability and reducing user friction through browser permissions handling, audio device selection, and call-state guidance.
- Built analytics enhancements including abandonment tracking, search interaction metrics, top query reporting, and user feedback collection mechanisms to support product insights and business decision-making.
- Spearheaded technical exploration and strategy for Office document preview functionality by evaluating backend conversion pipelines, rendering approaches, and cross-platform preview solutions.
- Expanded automated test coverage and helped establish stronger unit testing foundations in support of future test-driven development initiatives.
- Leveraged AI-assisted development workflows to accelerate implementation, rapidly prototype solutions, and reduce development time for complex user interfaces.
- Recognized by business leadership for initiative, creative problem-solving, and rapid delivery of high-impact features supporting user experiences.

Software Engineer *New York Life Insurance Company (Ranked #62 on the Fortune 100)* | June 2023 – September 2025

- Built frontend features and reusable React components supporting complex user workflows and improving customer interaction experiences.
- Collaborated with backend engineers on API integration, data mapping, and implementation of scalable user-facing functionality.
- Delivered flexible solutions in response to user feedback, including alternate workflows allowing users to switch between feature-rich and streamlined experiences.
- Regularly presented completed features and solutions to technical and non-technical stakeholders, translating technical work into business impact and coaching teammates on presentation delivery.
- Researched, presented, and integrated tools improving performance, flexibility, and maintainability, including Storyblok CMS, Qualtrics integrations, and migration of application build tooling to Vite.
- Operated within Agile development processes including sprint planning, story refinement, code reviews, and release activities.

Project Manager *Broadway Booking Office NYC* | Sept 2014 - July 2020

- Negotiated and managed more than 250 annual bookings for multi-million-dollar Broadway touring productions.
- Developed a multi-layered sales tracking system that improved data-driven pricing and marketing decisions.

Entrepreneurial Leadership

- Raised \$500K capital and led production efforts for the Off-Broadway play *JOY*, managing dozens of staff members.
- Founded the Broadway Access Initiative, providing over 200 at-risk youth the opportunity to experience live theater.

EDUCATION

App Academy - Immersive 1000-hour course with <5% acceptance rate focusing on full stack web development

Rockhurst University - BS - Business Administration (Management Emphasis). Magna cum Laude. Recipient of *The Wall Street Journal Award* for the highest GPA in the School of Management