

# Joshua Kelly

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**Skills** - JavaScript, React, Kotlin, Java, SpringBoot, PostgreSQL, Jetpack Compose, Retrofit, Moshi, RxJava, Dagger, Git

**Software Engineer, Consumer Applications - Independent Consultant** | New York, NY Jan 2023 - Present

- Architected web platform that enables 9264+ users to purchase 30,000+ digital comic books using JavaScript, React, and Tailwind, enabling 328,000+ user-item interactions annually.
- Constructed 5+ asynchronous fetch requests using Javascript, Axios, and Marvel Developer API, obtaining 3,600,000+ bytes of data and populating ~9 React components.
- Engineered RESTful backend using Java, SpringBoot, and PostgreSQL to process 295,680+ orders per year, enabling \$6.5M+ worth of transactions annually.
- Leveraged JavaScript, React, SpringBoot, and PostgreSQL to render full-stack application with 100% CRUD functionality, enabling store owner to process 880+ customer-interactions per day.
- Delivered front-end chat functionality using JavaScript, React, Tailwind, and DaisyUI to create 15+ self-containing, reusable, and testable components, enabling render-volume of 450+ HTML elements.
- Deployed full-stack JavaScript store application comprised of ~17 React components and 3+ SpringBoot routes (~29,000 lines) using Netlify, ensuring high availability, reliability, and maintaining zero-downtime.
- Utilized Kotlin, Jetpack Compose, Retrofit, and Moshi to render Android app with local storage and 100% CRUD functionality, enabling prescription-verification across 19,000+ pharmaceutical drugs.
- Defined technical project scope, deliverables, code reviews, and meeting schedules using Trello and Github, adding structure and clarity for 2+ front-end engineers, 3+ back-end engineers, and 2+ mobile engineers.

**Software Engineer, Live Audio Podcasts - Spotify** | New York, NY Jul 2022 - Dec 2022

- Populated 120+ Android UI components with live-audio streaming functionality using Kotlin, Dagger, RxJava, and Mobius, giving 433,000,000+ users access to ~70M Podcast episodes.
- Implemented ~3 large-scale, cross-platform unit tests for live-audio streaming vertical within Spotify's Android engineering infrastructure using Mobius, Bazel, and Roboelectric, helping track and ensure interface-component reliability for 45,000+ DAUs.
- Developed ~8 Android UI components that displayed 30TB of processed-data with Kotlin, Dagger, and Mobius, allowing 6,600+ listeners to share leaderboard rankings across ~3000 Spotify playlists.
- Wrote 8+ unit tests and 2+ interaction logs for Android live-audio streaming features using Kotlin, Mobius, and Espresso, enabling internal systems to catch 360+ component-state vulnerabilities.
- Maintained CI/CD best practices, stable sprint cycles, code reviews, and ticketing system for live-audio Podcasts' Android vertical using Jira, Lucidchart, and Bazel, enabling 17% faster code shipping.

**Technical Operations Manager - RWJBarnabas Health** | New York, NY Aug 2020 - Jul 2022

- Managed IV-infusion delivery operation using MedSupply and Google Sheets, helping produce an extra 511,000+ IV-bags per year (46% increase) saving \$13.29M annually.
- Collaborated with director-level leadership of 40-person Pharmacy operation supporting 141,000+ patients per year, facilitating ~3 cleanroom facilities passing 100% federal regulation compliance.

**Senior Pharmacy Technician - RWJBarnabas Health** | New York, NY Sep 2017 - Jul 2020

- Streamlined 350-hour daily IV-bag manufacturing process (127,000+ annual hours) using Baxter Pump, calibration scale, and aseptic technique, reducing medication delivery time by 53% across the pipeline.

**Certified Pharmacy Specialist - AmerisourceBergen** | New York, NY Oct 2016 - Sep 2017

**Certified Pharmacy Associate - Walgreens** | New York, NY May 2015 - Oct 2016

**Per Scholas, Software Engineering** 2022

**Hudson County Community College, Computer Science** 2015