Sean McQuaid

Software Engineer
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Professional Experience

Chick-fil-A

Software Engineer II, Quality Engineering   December 2020 - Present
Software Engineer I, Quality Engineering   May 2019 - November 2020

- Working on an agile team to implement new features and maintain existing features related to Ordering for the CFAOne App.
- Developing REST APIs in Java/SpringBoot for our customer facing Location and Menu services.
- Writing Integration and E2E tests in Java using tools such as SerenityBDD, Appium and Applitools.
- Innovating a Proof of Concept to demonstrate the business value in using Native Tooling for our E2E testing strategies for both Android and iOS with Kotlin and Swift.
- Created dashboard for the Customer Technology Solutions team with React that displays various Lab Configurations for each of our QA locations.
- Collaborated with the Quality Engineering team to create a more efficient and targeted testing process that led to less time spent developing new features across the entire CFAOne App feature teams.

Personal Projects

Web Fake Book   Client Repo | Server Repo | Live Demo

- Built a Web solution to a huge problem for college music students, having free access to chord changes for jazz standards with MongoDB, Node.js, Express, React and TypeScript.
- Used this project as an opportunity to solidify my TypeScript architecture practices and CI/CD skills.
- Created my own CI/CD pipelines that utilized my unit and E2E tests on PR review to give a clear indication that I didn't introduce any breaking changes when implementing new features on both the Front and Back End.
- Decided to not use Redux as this project was not large enough to justify it. Instead, I used the useReducer hook throughout the project to separate the logic of the UI and local state management.
- This project has full unit and E2E test coverage and is deployed via my CD pipeline to Heroku whenever a commit is made to the main branch.

Software Development Skills

Front End
- JavaScript, React.js, Redux.js, HTML, CSS, Sass, React Native, TypeScript, Angular, Vue.js, Svelte, Web Sockets, Cypress.io, Jest, Enzyme, React Testing Library, Vue Testing Library, Appium

Back End
- Node.js, Express, Python, Java, SpringBoot, mySQL, PostgreSQL, MongoDB, DynamoDB, GraphQL, Web Sockets, SerenityBDD, Mocha

DevOps
- GitHub Actions, DataDog, Splunk, AWS, Heroku, Jenkins

Certifications

Certified Cloud Practitioner - Amazon Web Services   November 2019

Education

DigitalCrafts | Atlanta, GA   November 2018 – March 2019
- Certification of Full Stack Web Development

SUNY Purchase | Purchase, NY   August 2015 – May 2017
- Master of Music in Jazz Studies

SUNY Potsdam | Potsdam, NY   August 2011 – May 2015
- Bachelor of Music in Music Business