

Will Taylor

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8900 Fremont St, Apt. 208, Lincoln, NE 68507

Education

Texas Christian University

Bachelors of Science; Computer Science

Work Experience

Software Engineer, BNSF Railway

Fort Worth, TX

(June 2017 - Present)

- Developed applications for the backend order to revenue system that accepts and routes all shipment requests for the railroad.
- Implemented applications using Spring Boot, Kafka, Spring Data, the CQRS pattern, and BeanIO, among other tools.
- Wrote automated unit and integration tests for my applications to ensure reliability over the lifespan of the product.
- Modeled database schemas for complex business domains.
- Collaborated with product owners and product managers to define requirements and distill them into technical stories.
- Reduced development cycle time across the organization by designing and leading the implementation of Java libraries that eliminated the need to write tedious boilerplate code for teams.

Co-Founder/Lead Software Engineer, SymbolSpeak

Fort Worth, TX

(May 2018 - Present)

- Single-handedly designed, developed, and deployed Symbol-It, an iOS app that translates human speech to picture symbols in real time for non-verbal users.
- Developed a backend system to run the translation algorithms and facilitate symbol distribution. Deployed the system in Kubernetes on Google's Cloud Platform to auto scale the system to meet user demand.
- Consulted with academic and industry experts to solicit functional requirements and better understand the target market.
- Unveiled Symbol-It at the TATN conference, showcasing the capabilities of the tool to gauge industry interest in order to drive sales forecasting and focused marketing.

Software Engineer, Atmos Energy

Dallas, TX

(May - October 2016)

- Consulted with Atmos Management to develop requirements for multiple iOS and Android apps.
- Developed and maintained three native iOS apps and one native Android app for internal use. These apps display information to employees such as emergencies, work orders, and call center statistics.
- Trained employees in best practices for iOS and Android development through code walk-throughs and documentation.

Other Experience

- C Spire: Software Developer
- Texas Christian University: Mobile Applications Developer

(June - July 2015)

(May - August 2014)

Technical Experience

- **Backend:** Java, Spring Boot, Apache Kafka, Spring Data, JUnit, TestNG, Maven, Gradle, Artifactory, Python
- **Web:** HTML5/CSS/SCSS, JavaScript, JQuery, React, GatsbyJS, Jest, ESLint, npm
- **Mobile (iOS):** Swift, Fastlane, Firebase, Crashlytics, PromiseKit, CocoaPods, SwiftLint
- **Mobile (Android):** Java, Gradle, Android Studio
- **Database:** Cloud Firestore, MongoDB, DB2
- **DevOps:** Kubernetes, OpenShift Docker, Google Cloud Platform, Jenkins, Netlify
- **Source Control:** Git, GitHub, BitBucket

Development Portfolio

- **Symbol-It:** An iOS app that makes language visible by translating speech into picture symbols in real time. The app is comprised of a Swift frontend and a Kubernetes hosted backend written in Java with Spring Boot.
- **Parking GPS** - An iOS app written in Swift designed to assist drivers in locating their parked car.
- **Goldie** - A 2D iOS game written in Swift and utilizing the SpriteKit framework.