

Tyler Kirkpatrick

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EDUCATION

Southern Methodist University
Bobby B. Lyle School of Engineering

Bachelor of Arts, Computer Science and Engineering

Dallas, TX
Aug 2013 - May 2017

EXPERIENCE

Walmart Labs

Software Engineer

Bentonville, AR
Nov 2017 - Present

- Implemented much-needed unit testing frameworks using Jasmine and Karma which led to more robust and predictable applications.
- Successfully lead several company wide SonarQube upgrades and hotfixes that affected over fifteen thousand Walmart projects, including knowledge transfer sessions with multiple support teams and fellow Software Engineers.
- Contributed to the Hygieia open source project (owned by Capital One) by adding interactive displays, increasing UI performance through more efficient REST methods, and adding a new collector that fetched “Technical Debt” data via a configurable Elastic Search query.
- Spearheaded the effort to design and implement a new Executive Dashboard React application allowing users to see D.O.R.A. deployment metrics for all Vice Presidents under a selected Executive.
- Independently implemented best practices Postgresql write-ahead-log backups, automated point-in-time backups written to external object storage and contributed to a Walmart Ansible playbook that creates a self propagating, HA proxy driven, Postgresql cluster.

Anderson Merchandisers

Software Engineer - Intern

Dallas, TX
Aug 2017 – Sep 2017

- Created an application that allows the user to upload excel or csv files and automatically send templated messages to thousands of Anderson employees
- Utilized Atlassian products Jira, Confluence, Bitbucket and Jenkins to collaborate with other team members and create necessary documentation.

PERSONAL PROJECTS

Lurk Moar – Ionic, Swift, Postgresql

Mobile Application that displayed content from Reddit, HackerNews, NewsAPI and more

Springdale, AR

Jul 2017 - Present

- Strong action verb + Goal, Effect, Result (Quantify and Qualify experience)
- Users can browse by subreddit /board, sort posts by different attributes, view comments, save images, add bookmarks to posts, and add user-specific favorite boards.
- Utilized Ionic native plugins to add voice-to-text and text-to-voice capabilities so users could browse their favorite platforms via voice activation.

ADDITIONAL SKILLS

Languages: C/C++, C#, Java, JavaScript, PHP, Python, TypeScript

Frontend Frameworks: AngularJS, Angular, Ionic, React

Backend Frameworks: Node.js, Spring

Web Servers: Apache, Nginx

Database Tools: MongoDB, MySQL, Postgresql

Container Managers: Docker, Kubernetes

Cloud Platforms: Amazon Web Services, DigitalOcean, Firebase, Heroku, Azure, Walmart OneOps