

Tyler Kirkpatrick

(479) 466-3755 • tkirkpatrick404@gmail.com • <http://tylerkirkpatrick.com>

EDUCATION

Southern Methodist University

Dallas, TX

Bobby B. Lyle School of Engineering

Aug 2013 - May 2017

Bachelor of Arts, Computer Science and Engineering

Texas A&M University

College Station, TX

Mays Business School

July 2020 - Dec 2021

Master of Business Administration

EXPERIENCE

Walmart Labs – Java, JavaScript, PostgreSQL, Nginx, React

Bentonville, AR

Software Engineer III

Nov 2017 - July 2020

- Implemented much-needed unit testing frameworks using Jasmine and Karma which led to more robust and predictable applications.
- Successfully led several companywide 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 Elasticsearch query.
- Spearheaded the effort to design and implement a new Executive Dashboard React application allowing users to see deployment metrics for all Direct Reports under a selected Executive or Vice President.
- 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.
- Received and led numerous code review, debugging and architectural planning sessions via video call or in-person with one or more developers, occasionally including management and other stakeholders.

Anderson Merchandisers – JavaScript, PHP

Dallas, TX

Software Engineer - Intern

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, create necessary documentation, and aid in code review sessions.

ADDITIONAL SKILLS

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

Frameworks: AngularJS, Angular, Ionic, Node.js, React

Database Tools: MariaDB, MongoDB, MySQL, PostgreSQL

Cloud Platforms: Amazon Web Services, Azure, DigitalOcean, Firebase, Heroku, Open Stack

Activities: University Esports and Intramurals, Texas A&M MBA Sports Club Leader