Tyler Kirkpatrick

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EDUCATION

Southern Methodist University   Dallas, TX
Bobby B. Lyle School of Engineering   Aug 2013 - May 2017
Bachelor of Arts, Computer Science and Engineering

EXPERIENCE

Walmart Labs – Java, JavaScript, PostgreSQL, Nginx, React   Bentonville, AR
Software Engineer III   Nov 2017 - Present

- Implemented much-needed unit testing frameworks using Jasmine and Karma which led to more robust and predictable applications.
- Successfully lead 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 Elastic Search 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 lead 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.

PERSONAL PROJECTS

Lurk Moar – Ionic, PostgreSQL, Swift, TypeScript   Springdale, AR
Mobile Application that displayed content from Reddit, HackerNews, NewsAPI and more   Jul 2017 - Present

- 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
Database Tools: MongoDB, MySQL, PostgreSQL
Cloud Platforms: Amazon Web Services, Azure, DigitalOcean, Firebase, Heroku, Open Stack