

# FIRST LAST

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## PROFESSIONAL SUMMARY

Results-driven Software Engineer with expertise in full-stack application development, automation, and web design. Proven ability to streamline processes, enhance efficiency, and improve user satisfaction through innovative technical solutions and robust system architecture.

## PROFESSIONAL EXPERIENCE

### Programmer Analyst, Call Center Engineering Team

2011 - 2016

Walmart, Inc.

Bentonville, Arkansas

- Architected and deployed a financial services hotline application for 8 countries across Central and South America, ensuring regional compliance and accessibility.
- Managed annual rollout of benefits hotline applications for 1.4 million employees in the US and Canada, ensuring seamless access to critical information.
- Automated manual application tuning processes using Java, reducing processing time by 95% (20x faster) and improving operational efficiency.
- Developed and integrated Spring REST web services to connect user-facing web applications with SQL databases, enhancing data accessibility and real-time functionality.
- Integrated an agent monitoring system, leading to a 30% improvement in call center efficiency and earning Employee of the Month recognition in December 2012.

## EDUCATION

### M.S., Computer Science

2012

University of Arizona

Tucson, Arizona

### B.S.B.A., Management Information Systems

2011

University of Arizona

Tucson, Arizona

## PROJECTS

### PicoShell

[Code / App](#)

A collaborative coding platform featuring a Linux terminal, code editor, file browser, chat window, and video collection, designed for real-time collaborative development.

Technologies: Socket.io, Docker, NodeJS, ExpressJS, MySQL, YouTube API, ReactJS

- Enabled real-time collaboration using Socket.io for instant code and terminal changes, alongside integrated chat functionality.
- Implemented a UNIX environment in the browser using Docker, supporting drag-and-drop file upload and download for enhanced user experience.
- Developed a robust API for Docker container control and a NodeJS/ExpressJS server with a MySQL database to manage user data.
- Integrated the YouTube API to allow users to seamlessly program while watching educational videos.
- Built a dynamic front-end with ReactJS, utilizing state management to control user permissions and interface interactions.

### TagMe

[Code / App](#)

A photo diary and organizer leveraging photo-recognition APIs to automatically tag and caption images, streamlining photo management.

Technologies: React Native, ExponentJS, CircleCI, Heroku, Exponent XDE

- Enhanced and optimized the React Native codebase to expand and refine core functionalities.
- Implemented advanced search, geo-tagging, and content sorting features using ExponentJS, significantly improving user experience.
- Configured continuous integration with CircleCI and Heroku, automating the build, test, and deployment pipeline for rapid iteration.

- Rapidly prototyped and deployed the mobile application using Exponent XDE for efficient development.

## Roadtrip Mood Music Generator

[Code](#)

*A Spotify playlist generator that customizes playlists based on the time of day and weather forecast for a specified road trip route.*

Technologies: OAuth, PassportJS, Spotify API, Google Maps API, Accuweather API

- Integrated OAuth authentication with Spotify using PassportJS, providing secure and seamless user access.
- Generated personalized Spotify playlists tailored to user road trip routes by integrating Google Maps and Accuweather forecast data.

## SKILLS

**Technical:** JavaScript, ReactJS, AngularJS 1.x, ExpressJS, NodeJS, jQuery, HTML/CSS, Mobile Development, React Native, ExponentJS, Java, Spring, Maven

**Tools:** MongoDB, SQL, Docker, Tomcat, Grunt, Heroku, CircleCI, Socket.io, PassportJS