

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