

Cloud and Mobile Software Developer

summary

Experienced developer with demonstrated skills in web, cloud and mobile technologies. Passionate about designing and developing innovative and effective software solutions. More than 8 years experience developing cloud applications for enterprise, public and private customers. More than 7 years experience developing mobile applications for a variety of platforms.

skills

Platforms webOS, Node.js

Web Technologies HTML, CSS, JavaScript, XML, JSON, Enyo, React

Operating Systems Windows, Mac OS X, Linux

Programming Languages JavaScript, Java

experience

Application Engineer *(Dec. 2014 - Present)*

LG Silicon Valley Lab

- Develop and maintain second screen access functionality for the LG webOS SmartTV platform
- Develop Cordova plugins/applications
- Maintain web applications with millions of users

Salesforce Developer *(Feb. 2014 - Nov. 2014)*

PetroSkills

- Design, develop and maintain business automation and custom functionality for the Force.com platform.
- Write and maintain service integrations between Force.com and other platforms.
- Review changes from team of developers for best practices and approve deployments to production environment.

Owner/Developer *(Oct. 2010 - Nov. 2014)*

Associative Intelligence Software

- Design and develop cross-platform applications for iOS, Android and webOS using Cordova.
- Design and develop web applications and websites.

IT Programmer/Developer *(Jan. 2012 - Feb. 2014)*

PetroSkills

- Design, develop and maintain software solutions.
- Write and maintain code for Google Apps, Salesforce and other SaaS solutions.
- Write and maintain web applications.

IT Student Intern *(Sept. 2010 - Feb. 2012)*

University of Oklahoma

- Develop applications and services that enable mobile applications.
- Develop mobile applications for a variety of platforms, primarily iOS.
- Design and implement solutions per client requirements.

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project highlights

Japanese Study Tools (*Associative Intelligence Software*)

Designed and developed a Japanese to English dictionary tool initially for HP's webOS-based tablets and ported to iOS, Android and other platforms (releases upcoming). Uses a SQLite database to allow the user to search for vocabulary words, view part of speech information and examine kanji components. Also supports flashcards for studying, custom flashcard lists, list sharing and reference lessons. Written in HTML, CSS and JavaScript through the open-source Enyo framework using the Mochi UI framework.

Lumberjack (*University of Oklahoma*)

Identified a need for and took the initiative to develop a cloud based application that proactively monitors and stores health information for UPS devices. Written primarily in Java, the application communicates with devices using simple messaging protocols (Telnet, SSH, SNMP). RESTful web services then allow field techs to access near real-time data from their smartphones. Device access is defined in XML to mitigate the need for code changes when enhancing functionality.

iPad Application for University Regents (*University of Oklahoma*)

Enhanced an existing application designed to reduce paper consumption for Regents' agendas. Developed a web application that enabled the Regents' assistants to define document structure and to control availability of documents on the Regents' devices. Made incremental improvements to the iPad application and regular maintenance releases for iOS release compatibility. Served as a direct line of contact for user support.

PetroSkills Integration Broker (*PetroSkills*)

Architected a highly scalable integration service built on Node.js. Utilized clustering and WebHooks on top of Node's efficient callback structure to provide a lean integration brokering service that routes data through RESTful services with minimal latency and high throughput. Identified a need to decouple integration so integration roll-out can happen independently of each system and to minimize risk of integration disruption due to system updates.

education

University of Oklahoma (incomplete) (*2008 - 2013*)

Bachelor of Science in Computer Science
Minor in Japanese

Moore-Norman Technology Center (*2005 - 2007*)

Diploma in Computer Programming (Java, C++)
National Technical Honor Society

honors & certifications

Salesforce Certified Developer (expired) Winter '14 Release 2013

1st in State Business Professionals of America, Java (Speed Programming) 2006

8th in Nation Business Professionals of America, Java (Speed Programming) 2006

Eagle Scout Boy Scouts of America 2006

references

Available upon request