

David L McKay, Jr.

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TECHNOLOGIST | SOFTWARE ENGINEER | SDET

Lead programmer with a track record of incorporating user and business requirements into cost-effective and user-friendly solutions.

Knowledge of commercial and open source software/database engineering tools, design and security standards.

Over 18 years of application development on wide range of platforms from mainframe, Java EE, web and mobile platforms.

Interested in leveraging different and new emerging technologies to provide customer centric solutions.

Currently doing freelance work for iOS applications.

Technology Summary

Swift, iOS and macOS developer, web developer, RESTful services, SOAP, Selenium, SauceLabs, test driven development, test automation, cucumber, Jenkins, Java, MySQL, J2EE, JavaScript, JQuery, Bootstrap, CSS, PHP, HTML, XML, Unix, Linux, Mac OS X

Experience

SELF EMPLOYED, IAM WIRELESS – MAR 2017-PRESENT

Consulting services for telecom/wireless industry. Design and develop web based applications for a training/forum user group. Develop the event management system, registration/training enrollment, invoice and payment processes. Developed using apache, HTML, CSS, MySQL, javascript, jquery and PHP. Replaced Filemaker application with custom iOS application to allow administration of the event, create and process invoices. Developed web payment module interfacing with Paypal.

Developed iOS application to allow attendees to register and check-in via iPad kiosks.

Develop iOS application for exhibitor lead retrieval management system.

Currently migrating backend application to vapor cloud and server side swift.

SOFTWARE ENGINEERING MANAGER - ACCENTURE, WASHINGTON, D.C. – JAN 2016-MAR 2017

Lead Test Automation role over team of 3 software developers (SDET).

Develop automated test for SOA based application. Write java based framework to test XML services and web based UI components using Selenium, Cucumber, Spring and Junit. When appropriate, provide test tools to assist in manual testing. Run and report tests using Jenkins automation as part of CICD.

Java, Spring, Cucumber, Junit, Selenium, Jenkins, XML, Tibco and MQ, SQL, Hibernate, Java Swing

SOFTWARE ENGINEERING MANAGER - ACCENTURE, ATLANTA, GA – AUG 2014- JAN 2016

Sr java developer role supporting a custom java SOA implementation of a large web-based transactional system for a major financial services client. Work directly with the client to create solution and design specifications, develop application code, and support application deployment. Skilled with Java development and the Spring MVC Framework, RESTful Web services, Hibernate, SQL, Relational Databases, Gemfire Cache, Unix, and application server configurations.

TRAVELPORT, KANSAS CITY, MO 1999-2014

- ▶ Provide comprehensive architectural support to business unit and IT staff.
- ▶ Define and/or validate logical and physical architecture for a proposed solution.
- ▶ Work closely with business stakeholders to insure business vision and requirements are addressed correctly.
- ▶ Analyze complex functional and non-functional requirements and make appropriate design adjustments.
- ▶ Interact with vendors, as required.
- ▶ Provide guidance to software development group on activities in SDLC, including service-oriented and object-oriented analysis and design.
- ▶ Effectively communicate design concepts to both technical and non-technical communities.

Design, develop, test XML web service application for managing an airlines ancillary fees related to travel. Serve as an application lead utilizing Java EE on IBM Websphere Application Server and Operational Decision Manager (ilog rules engine). This role worked closely with the product and business analyst teams to refine requirements into a deliverable solution. Also served as subject matter expert related to airline functionality for many team members.

Design, develop, and test software on a TPF platform for a global Computer Reservation System. Responsibilities include role as technical lead programmer writing Technical Design Documents. Working with Quality Assurance group to ensure speed to market and quality to market products. Work with external and internal customers to gather requirements for products during Functional Design process, beta testing and during post implementation providing customer support.

Education

Missouri Western State University, Saint Joseph, MO – Bachelor's degree, Mathematics and Computer Science · 1999

Skills

Swift

iOS development

Vapor - server side swift

RESTful services

JSON

JWT/Authentication

HTML/CSS

JavaScript/jquery/bootstrap

Java (language)

Java Enterprise Edition

XML

Oracle Database

MySQL

PHP

Selenium

Apache

Maven