

MICHAEL W. JACOBSEN

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EXPERIENCE

KS2 Technologies, Inc.

Nov. 2019 – Present

Software Product Architect – Java, Python, JavaScript, Angular, SQL

Grapevine, TX

- As the Software Product Architect, I lead, manage, and hold accountable members of the development and products team to provide development, integration, and JD Edwards implementation services to clients throughout the U.S. I also oversee KS2's software / intellectual property.
- Lead developer for HomeSalesOne – a web application to buy and configure homes. Responsible for application maintenance, enhancements, development, and quality assurance.
 - Implemented at a top 10 U.S. Homebuilder
 - 15k+ homes sold and 52k+ DocuSign contracts and addenda processed
- Lead developer for eXLERated – KS2's Microsoft Excel Plugin for JD Edwards Financial Reports and Purchasing automation.
 - Built on NodeJS / Express and Dockerized. Led the team to a successful AngularJS to Angular migration on time and under budget. Integrates with PingID for user authorization.
- Leveraged IBM Cloud Serverless Functions with Python to automate DB2 data backups to IBM Cloud Storage and automate KS2 job postings from applicant management system to HubSpot website, saving the development team 16+ hours of maintenance each month.

Options Clearing Corporation

Oct. 2016 – Nov. 2019

Application Developer / Scrum Master – Java, Ext JS, Python, Selenium

Dallas, TX,

- Maintained and updated Minion – OCC's automated testing software built with Java and Selenium.
- Automated environment configuration process with Python for 25 environments, reducing time to generate a new environment by 30%.

KS2 Technologies, Inc.

Oct. 2011 – Oct. 2016

Software Engineer – Java, Python, JavaScript, AngularJS, SQL

Grapevine, TX

- Pioneered KS2's first hybrid cloud web application on IBM Cloud. Engineered AngularJS front-end and improved application performance and maintainability by modularizing key components of the software.
- Designed and developed a mobile application on IBM MobileFirst Platform to be used in model homes to capture home buyer leads for integration with Salesforce CRM. App deployed to 300+ kiosk iPads nationwide, successfully capturing 50,000+ leads since its launch. Project resulted in client success story presentations at IBM Interconnect 2015 and 2016 conferences.

Volt Technical Resources

Jul. 2008 – May 2011

Sr. Microsoft Student Partner

Arlington, TX

- Managed and mentored a team of nine student reps in sharing Microsoft product knowledge with the academic community. Consistently met or exceeded program campaign goals. Worked with business groups and Microsoft partners to create and execute marketing campaigns and promotions.

Motorola Solutions

Jun. 2010 – Aug. 2010

Software Engineer / Quality Engineer Internship – PHP, Linux

Fort Worth, TX

- Designed a solution and upgrade path for SSH and NTP features on an embedded Linux system for the UBS DMI Controller. Implemented, tested, and packaged Linux OS for C25 release. Ensured against Motorola proprietary software conflicts with agreements in open source licensing.

EDUCATION

University of Texas at Arlington

May 2011

B.S. Software Engineering (Minor in Mathematics)

Arlington, TX

SKILLS & INTERESTS

Languages: Java, JavaScript, Python, SQL

Frameworks: AngularJS, Angular, NodeJS, Express

Databases: IBM DB2, Microsoft SQL Server, Oracle DB, IBM Cloudant / MongoDB / NoSQL

Other: AWS, IBM Cloud, IBM App Connect Professional, Integration / Middleware

Interests: Woodworking, DIY, FIRST Lego League Jr. Robotics, Camping/Hiking, Board Games, Gaming