Marissa Twitchell

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SKILLS

- Programming Languages: C++, C, Java, Ruby, Swift, Android
- Web Development: HTML, CSS, JavaScript, Bootstrap, FTL, HBS
- Database Querying Languages: SQL, Mongo NoSQL, Splunk SPL, HiveQL, Spark SQL
- Version Control: GIT, Source Depot, Perforce, SVN
- Development Tools: The Atlassian Suite (Jira, Confluence, BitBucket), The Visual Studio Suite (Visual Studio IDE, Azure Dev Ops), IntelliJ IDEA, Jenkins, Splunk, SSMS

EXPERIENCE

Software Development Engineer 2   December 2017 – Present
Microsoft, Redmond, WA
- Developed features and priority bug fixes to the Excel desktop application, an application used by 120 million users, utilizing industry best practices (version control, A/B feature gating, automated testing, error logging, code reviews, localization, customer feedback, accessibility, security compliance, maintainability) to help Excel continue to be an industry leading tool in productivity
- Created a more performant data structure (with help from team) for scenarios with large internal lists to increase the performance times of certain grid actions (from n^2 to $n \log n$).

Software Development Engineer 2   April 2015 – November 2017
Expedia, Bellevue, WA
- Enhanced a product used by 4.6 million users monthly that saves search history across devices, increasing customer repeat rate
- Built responsive headers and footers for Expedia brands seen by over 300k visitors daily and assisted in a project to move brand headers and footers to a cloud-based solution to improve page loading speeds
- Automated a manual process in a team of two, which required building out a service endpoint to retrieve data, a Java/Spring rules engine, storage in AWS S3, a user interface, and was scheduled by a Jenkins job

Software Developer Consultant   May 2012 – August 2012, August 2013 – April 2015
Pariveda Solutions, Bellevue, WA
- Developed automated test cases using headless browser PhantomJS and additional acceptance tests using the Cucumber toolset in conjunction with Ruby/Watir
- Pulled data from big data sources (>30 TB) using both Hadoop/Hive and IBM/Netezza data warehouses writing HiveQL and SQL using WinSQL and Aginity as database clients
- Developed company-wide reference implementation to handle push notifications for Android
- Automated a four-hour, manual process using Automation Anywhere, a scraping tool
- Performed data mining and business intelligence on customer database using QlikView

EDUCATION

Masters of Information Systems Management   June 2013
Brigham Young University, Provo, UT

Bachelor of Science Degree in Information Systems   June 2013
Brigham Young University, Provo, UT