GARRETT KOCIAN

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Experience:

Software Engineer   Oct 2015-Present
USAA - San Antonio, TX
- Architect and develop enterprise-wide business rules management repository and web application. Application provides full-text search, intelligent rule editor, and Excel-like features.
- Lead developer over project conducting project planning with business customers, assigning work and providing guidance to 6 developers frontend and backend both in-office and remote.
- Developed initial MVP of the AngularJS web application, provide design guidance for the UI developers and develop new features when frontend is shorthanded.
- Develop business rule repository written in Java and using the Apache Jackrabbit for flexibility in data structure, Lucene full-text search, and data versioning.
- Develop RESTful API to perform CRUD operations on the assets stored in the repository.

Software Engineer   Jul 2014-Oct 2015
CBORD Group - Waco, TX
- Developed web apps for university system administrators. Web apps were developed to take parameters set by admin to allow universities to customize the apps to their specific needs.
- Web applications were developed using PHP, Apache, Ajax, jQuery, Smarty Templates, with Oracle DB. This was full-stack position, no division of role between frontend and backend.
- Provide troubleshooting support to system engineers in order to resolve issues at customer sites.
- Create and update technical documentation for install and operational instructions.

Software Engineer   May 2013-Jun 2014
Raytheon IIS - Garland, TX
- Designed/developed web service adapter POC to integrate two major products in the company. The POC could process live GPS data and simultaneously plot the trace on Google Maps as well as store the data from the simulation in a database that could be replayed at a later date.
- Improve functionality or UI of widgets working with JavaScript, HTML, CSS, and Java on backend.

Education:

University of Texas at San Antonio - San Antonio, TX   May 2013
- **BS in Electrical Engineering** (Magna Cum Laude 3.9/4.0 GPA)
- Coursework included digital signal processing, digital filtering, medical imaging, digital/wireless communications, parallel computing, steganography

Undergraduate research   Aug 2009-May 2013
- Developed program that calculates a person's heart by applying digital filters to a live video feed of their face. The filters isolate the color fluctuations as blood pumps through the face.
- Developed inexpensive portable EMG that transmits measurements to tablet for real-time visual feedback. Purpose of system was to be used at home when performing physical therapy exercises to provide visual feedback on proper muscle activation.
- Implement parallel computing to improve speed of medical imaging program. Attended courses Texas Advanced Computing Center on scientific computing, parallel processing, high performance computing
- Awarded Undergraduate Research Stipend for three consecutive semesters

Skills:

- Java
- Apache Jackrabbit, JCR
- RESTful webservices
- JBoss, RESTEasy
- Batch/Shell scripts
- Linux
- AngularJS, Node.js
- JavaScript, CSS, HTML
- SAP Webi, SAP Lumira, SAP IDT
- SQL
- PHP, Smarty templates, JQuery