JEFFREY E. RADE

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OBJECTIVE

To provide organizations with quality software, improved processes, and increase their productivity and revenue

TECHNICAL SKILLS

- Languages: Java, Javascript, Python, SQL, XHTML, CSS, XML, Bash
- Frameworks: Spring [MVC, Batch, Security, ACL], Hibernate/JPA, jQuery/AJAX, DWR, Ant, Maven, JUnit, Hadoop/MapReduce, AMQ/JMS
- DB: MySQL, HBASE, Postgresql, Oracle, Redis, Derby, Access
- OS: Linux [Ubuntu], OSX, Windows [XP, 7]
- Tools: Eclipse, IntelliJ, VIM, Apache Tomcat, NGINX, Git, Mercurial, SVN, Jenkins, Sonar

EXPERIENCE

Senior Software Developer at Interactive Data - 7ticks --- December 2013 to Present

- Team lead under our architect that inherited off-shore development of big-data product for financial infrastructure performance and monitoring data
- Software stack includes Java, Python, Spring, Liferay, jQuery, Redis, Hadoop, MapReduce, HBASE, MySQL, Flume, AMQ, LDAP, Maven and Ant
- Responsible for architecture of redesigning our flagship product using Spring 4.1, Maven, Tomcat, jQuery, Bootstrap, Jenkins and Sonar
- Implemented redesign of client infrastructure UI display – tree structure of client group devices and components for that user
- Modified Flume serializer jobs to dynamically add device keys to HBASE and troubleshoot slow performance with Channels and Sinks
- Profiled MapReduce jobs to troubleshoot poor performance for calculating and storing historical data into HBASE
- Worked with off-shore team to use our version control system Mercurial, perform code reviews and reviewed all hand-off documentation
- Lead effort to create continuous integration environment, involved with implementing agile development and mentored junior developers

Senior Software Engineer at amSTATZ, LLC --- July 2013 to November 2013

- Team lead for small startup to improve business processes, work with junior-level developers and improve internal development processes
- Worked with co-founders on development life-cycle and processes that helped communication and cultural environment
- Implemented domain level security to manage ownership and permissions for business layer using Spring ACL Security and improved internal API
- Abstracted JPA DAO layer to improve reusability, wrote import/export functionality of user's data using generics and supercsv
- Worked with business owners to onboard new customers - involving data importing and user stories for needed features determined by beta users
- Responsible for PL/pgSQL scripts to migrate data due to new feature releases and was goto person to track down data inconsistencies in production
- Built continuous integration environment using Jenkins, Github plugins, and Sonar

Developer at uthinkpc.com --- July 2012 to November 2012

- Contributing developer for startup phase, work with other developers to map architecture and future implementations
- Configured developer environment in Eclipse on Linux and merged code base with CMS framework
- Implemented sorting on search results for all products and created plan to phase out database layer of CMS to implement Spring

Senior Software Developer at Alligatortek Inc. --- March 2012 to July 2013

- Lead Java developer to integrate legacy software and implement new functionality for client's E-commerce site
- Responsible for all development done by our local and off-shore teams – reviewed code, provide architecture guidelines and refactored as needed
- Used open-source Jackcess 1.2 to create API to import legacy data to ease maintainability and extendability
- Extended relational database table design and wrote clean SQL in DAO layer for re-usability and simple migration to stored procedures
- Plugged into existing client Endeca search API to implement product search, update and replace functionality per business requirements
- Delivered and demoed software iteratively to business owners and coordinated with client dev team on environment builds and branching
- Responsible for merging project code base to and from our repository (Mercurial) and the clients repository (PVCS)
- Took initiative to improve local and off-shore development environment using Eclipse, Mercurial, EclipseHg, Log4J and Apache Tomcat 6.1

Software Engineer at CME Group Inc. --- July 2011 to March 2012

- Java developer on a large back-end system that calculates and assigns fees to clearing firms trading on exchanges around the world
- Designed and implemented spring batch job to persist daily differentials on reference tables for the EFS web application
- Designed and implemented solution to query and generate csv files on the fly, then package into declared zip MIME file and email
- Implemented job to consume clearing files to be processed, created mapping and ItemWriter to persist data into the EFS database
- Optimized multi-threaded trade data processor by limiting class level locking to variable synchronization
- Improved performance by configuring spring batch tasklets, improved code usability and maintainability with abstraction and DI
- Technical Java resource for transitioning Cobol developers and created a developer setup guide for new developers

Software Engineer at Norvax, Inc. --- October 2009 to July 2011

- Developer in a fast-paced environment on a back-end application responsible for handling 40,000+ request per day
- Promoted to team lead, responsible for architectural improvements and process improvements that aligned with department goals
- First-level technical contact for off-shore team that was migrating legacy code and daily maintenance
- Implemented extension of an existing back-end web service framework to interface with consumer facing site using DWR and Javascript
- Improved performance in legacy framework by decreasing database connection usage, limit unnecessary object creation, SQL optimization
- Design and implemented Ant task to convert legacy schema to new framework schema that eliminated 20 hours per week of manual effort
- Executed production deployments, provided first-level technical support for production environments and fixed critical bugs

Web Developer at HCSC --- April 2007 to October 2009

- Developed a prototype web application using Java Servlets and JSP that integrated with existing internal server-client application
- Provided support in the development of migrating internal legacy code to Java
- Designed and implemented a dynamic enterprise metric dashboard using Javascript with Ajax functionality
- Contributor in development of consumer facing site using Ajax

EDUCATION

Bachelor of Science in Mathematics at University of Illinois at Urbana-Champaign --- 2006

- Additional course work in Physics