JEFFREY E. RADE

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OBJECTIVE

To join an organization where I can solve problems by writing software, automate build and deploy processes, empower engineers and learn along the way

TECHNOLOGIES

- Languages: Java, Javascript, Python, Ruby, Bash, SQL, HTML, CSS
- Frameworks: Spring [REST, Batch, Security, ACL], NodeJs, Rails, Android SDK, jQuery, AngularJS, Hibernate, Gradle, Maven, JUnit, AMQ/JMS
- Databases: MySQL, Postgres, Oracle, MongoDB, Redis, HBASE, Blockchain
- Tools & Tech: Linux, AWS, Nginx, Apache Tomcat, Hadoop, Git/Mercurial, Hudson/Jenkins/Buildkite, VIM, Eclipse

EXPERIENCE

Senior Platform Engineer at Gamut Supply LLC --- September 2017 to Present

- Senior Engineer on Infrastructure team responsible for all AWS hosted services, virtual devices, network and upgrades
- Implemented PCI firewall rules on AWS hosted servers that stored or transmitted customer card holder data
- Wrote AWS Lambda jobs in Python and NodeJS to monitor EC2 and nightly snapshots of RDS and Elasticsearch indexes

VP of Engineering at Realync Corp --- December 2016 to August 2017

- Head of Engineering responsible for the direction, success and growth of our mobile video real estate platform
- Work directly with co-founders on product decisions, project implementations, and technical capabilities of our platform
- Leading a team on development, architecture decisions, security and deployments using NodeJS, ReactJS, Rails and AWS
- Established a transparent and collaborative environment between business and engineering department to create a one-team mentality
- Lead staffing, hiring and recruiting efforts to expand the engineering team in order to deliver on product goals and features for our platform
- Implemented server-side OAuth using Google API Client libraries to allow users to upload video content to YouTube

Independent Consultant at Devix Group --- November 2014 to December 2016

- Lead a core team responsible for development of consumer facing lending product implemented in Ruby on Rails [Enova]
- Built Android prototype app, implemented HMAC for requests and responsible for maintaining and extending company mobile API [Enova]
- Mentored junior team members through code reviews, 1-on-1 discussions and took the initiative to pair program with junior developers [Enova]
- C2C contract as a senior consultant with large hospitality company to join their E-commerce development team [Hyatt]
- Designed and implemented HMAC SHA-256 RESTful API for 3rd party vendors to build on top of internal legacy systems [Hyatt]
- Worked with solution architect to implemented back-end service to more efficiently push analytics data to Adobe's Marketing Cloud [Hyatt]
- Worked with small team to implement new customer features for enhancing the site's main revenue generating stream [Hyatt]
- Individual contributor with a health-care startup to help build their front-end platform using AngularJS [Entrigna]

Senior Integration Developer at Interactive Data - 7ticks --- December 2013 to January 2015

- Team lead under SE manager, inherited off-shore development of Big Data financial infrastructure performance and monitoring platform
- 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, MongoDB, Maven, Tomcat, AngularJS, 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 and queue new writes to HBASE along with troubleshooting slow performance
- Profiled MapReduce jobs to troubleshoot poor performance for calculating and storing historical data into HBASE
- Integrated off-shore team into our version control system, stood up CI environment, and performed code reviews

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

- Technical engineering lead for startup responsible for a team of three developers – acting scrum master for stand-ups, sprint planning and grooming
- 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

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
- Delivered and demoed software iteratively to business owners and coordinated with the client dev team on builds and code merging
- 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
- Consumed text files to persist into EFS database and improved code usability and maintainability with abstraction and DI
- Optimized multi-threaded trade data processor by limiting class level locking to variable synchronization

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

- Team Lead in a fast-paced environment on a back-end application responsible for handling 40,000+ request per day
- Responsible for architectural and process improvements that aligned with department goals
- Implemented extension of an existing back-end web service framework to interface with consumer facing site using DWR and Javascript
- Design and implemented Ant task to convert legacy schema to new framework schema that eliminated 20 hours per week of manual effort
- First-level technical contact for off-shore team, executed production deployments and provided first-level technical support for production environments

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/Ajax

EDUCATION & PROJECTS

- Bachelor of Science in Mathematics at University of Illinois at Urbana-Champaign
- Bitcoin Core contributor https://github.com/bitcoin/bitcoin