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OBJECTIVE: Seeking Internship in software engineering for summer 2015.

Educational Qualifications

Master of Science in Software Engineering GPA 3.43/4.0 Expected May 2016
San Jose State University, San Jose, CA

Bachelor of Technology: Information Technology Aug 2007 - June 2011
Jaipur Engineering College and Research Center, Jaipur, Rajasthan

Relevant Coursework Cloud Technologies, Virtualization Technologies, Enterprise Distributed Systems, Web and Data Mining, Software Systems Engineering, Data Structure and Algorithms, Agile methodology, scrum development.

Technical Skills

Programming Languages: JAVA, SQL, and HTML. Beginner with AspectJ, NodeJS, JavaScript, groovy and grails, shell script

Database and OS: Oracle, MySQL, Mongo DB, Linux

Frameworks and Tools: Spring, Express, GitHub, Feature IDE, Dropbox and REST API, Maven, Hadoop, Eclipse, IBM RAD

Protocols and Algorithms: SS7, ISUP and TCP/IP, RESTful Web Services. Familiar: Consistent Hashing, Raft, CRDT, OAuth 2.0

Certification

- Oracle database 10g administrator certified associate
- IBM Certified Associate Developer -- Rational Application Developer for WebSphere Software V6.0

Projects

Sticky Notes, San Jose State University Fall 2014

- Developed a web application on top of Dropbox REST API that allows a user to create and manage sticky notes.
- Developed modules for MongoDB, User Dropbox authentication, login, logout and backend functionality.
- Technologies used: Spring MVC, JSP, JavaScript, Java, MongoDB, Dropbox core API.

Digital Wallet, San Jose State University Fall 2014

- Developed a digital wallet REST API using spring framework that respond with information of user profile, user bank accounts, web login and, identity card as JSON. CRUD operations through REST API on MongoDB.

Multitenant Project Management Application, San Jose State University Fall 2014

- Studied the three project management SaaS provider Kanbanize(Kanban), Gantter(waterfall), Easybacklog (Scrum).
- Developed a single multitenant application using Java, AspectJ and feature modeling that allowed the user to measure one activity from any model according to its selection at run time.

Gumball Machine, San Jose State University Fall 2014

- Developed an application that stores information about the gumball machine and inventory of gumballs.
- At backend, REST API was developed in groovy and grails and then migrated it to NodeJS. Both APIs do not store session information on server but send it back to browser using HTML hidden field and HMAC SHA256 hashing.
- Developed a NodeJS web app that consumed above REST APIs and rendered a view for user interaction.

Work Experience

SP Infocom Pvt. Ltd. - Student Intern May 2010 – June 2010

- Contributed to a team of 5 to create a management system for a local hospital.
- Gathered the requirements and designed and developed the user interaction forms using java swings and AWT.
- Designed a data model and mapped it to Oracle Database and connected using JDBC

Tecnom System and Network Pvt. Ltd, New Delhi

Field Application Engineer Mar 2012 - Aug 2014

- Took Initiative and wrote a script to automate the backup process of configuration files that reduced the time taken in backup from 4 hours to just minutes.
- Communicated client needs and suggested changes in SS7 network to increase the availability.
- Involved in complete Linux server lifecycle from installation to decommissioning.
- Wrote DDL, DML, DCL queries for Oracle database and managed users, schema and database server.