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SHAURYA GARG

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Education

Master of Computer Science   Expected Dec 2017
North Carolina State University, Raleigh - GPA 4.0

Bachelors of Information and Communication Technology   May 2013
Dhirubhai Ambani Inst. Of Information & Comm. Tech. - GPA 3.5

Technical Skills

Java, C, HTML, EJB, SVN, JIRA, JavaScript, SQL, JSPs, Websphere Application Server, Oracle 11g , Eclipse IDE, GIT, Ubuntu, REST API, Knockout JS, Ansible, Jenkins, Selenium, Linux, Docker, Vagrant

Coursework

Dev-Ops, Operating Systems, Software Engineering, Database Management Systems, Advanced Distributed Systems, Algorithms

Work Experience

- **Business Technology Analyst, Deloitte Consulting India Pvt. Ltd.**   Aug 2013 – May 2016
  NextGen Health and Human Services (HHS)

  - Worked as a <u>Java, EJBs, JSP, WebSphere, SVN, SQL Developer</u>.
  - Single handedly developed the core module which controls the functional flow of a module of the worker portal application. Received an award for this accomplishment.
  - Boosted the security of the application by identifying and resolving potential SQL Injection and denial-of-service (DoS) attacks on the application.
  - Designed and implemented the database structure and web services for the Self Service Application, significantly enhancing the efficiency of the HHS system as a whole.

- **Summer Internship, Oracle India Pvt. Ltd.**   May 2012– Jun 2012

  Developed a web based user interface using Apache, HTML, JavaScript, MySQL and PHP for solution consultant's knowledge repository and could be converted into portable static HTML.

Academic Projects

Sandbox: Developed a sandboxing program using <u>C language</u> and the <u>Linux ptrace system call</u> with configurable permissions for dictating access to the program being executed within it.
TabM: Reverse engineered tableau xml to reveal important metadata information. Used <u>JavaFX, Java and Eclipse</u>
Triage Chat Bot: Created a chatbot over Github's REST API and Howdyai's BotKit for slack. It suggests relevant issues to a user and uses <u>Node Js, underscoreJs, Ansible, Amazon EC2</u>.
RamDisk File System: Developed a in memory file system implemented using <u>FUSE</u>. Used <u>FAT</u> for allocating and maintaining information about files. This program was developed using <u>C language</u> and tested on <u>Ubuntu</u>.
Educational Website- **StudyPal:** Developed website that provides students with organized study material and functionalities like discussion forum, admin dashboard using <u>PHP ,MySQL, HTML and CSS.</u>
CD/CI Pipeline: A delivery pipeline for a Java and NodeJs based projects with features like fuzzing, test automation, automated builds and deployment, autoscaling. Tech Used: <u>Ansible, Jenkins, Esprima, Maven, Docker</u>.
Distributed Key-Value Database: Developed a distributed key value database built on top of chord overlay networks. Tech Used: <u>Java, Ansible, Docker, Maven</u>

Awards and Achievements

- Awarded Teaching Assistantship for two consecutive semesters by DA-IICT
- Led the Business Technology Analyst forum at Deloitte, aimed at bringing the analysts and the leadership closer
- Won coding competition in Deloitte in 2014
- Teaching Assistant for Database Management Systems (Spring 2017)