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SHRINIVAS BHAT

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Education

Arizona State University **Jan 2017 - Dec 2018**
Masters in Computer Science, GPA 3.67
R. V. College of Engineering **2008 - 2012**
Bachelors in Electronics and Telecommunications, GPA 8.78

Skills

- Java, J2EE, JavaScript, Spring MVC, Spring Boot, JPA, Hibernate, jQuery, Bootstrap3, HTML5, CSS3, React, Redux, MySQL, PostgreSQL, Apache Derby, MongoDB, C/C++, XML, JSON, Apache Spark, Hadoop, MapReduce.
- Agile Process, Scrum, JIRA, Junit, Selenium, Windows, Linux, Android OS, Eclipse, Android Studio, Git, Perforce.

Projects

Academic (https://github.com/bshinu51)
SPATIAL BIG DATA:
- Identified statistically significant spatial hot spots using Apache Spark by applying spatial statistics to spatial big data of NYC Taxi trip.
- Computation time reduction by 34% observed when compared to normal Hadoop program.

SECURE BANKING SYSTEM:
- Implemented complete banking functionalities using MySQL, Hibernate, and Spring MVC to handle sessions, transactions, and role management along with authentication and authorization for the Back-end system.
- Secure the vulnerabilities such as XSS, DoS, Spoofing along with HTTPS, OTP management, reCaptcha implementation.
- Front-end system was developed using HTML, CSS, Bootstrap, JavaScript, and JSP to show an elegant UI.

Personalized Recommender System:
- Developed an adaptive user profiling website to collect user data and analyze it using Apache Lucene to recommend set of books that user might be interested in.
- Visualize social profiling of the system data along with user information using Google Charts API.

Personal
WEB UI AUTOMATION:
- Automation of test cases for any Web site using selenium. Architecturally designed using Java design patterns and customized report generation using HTML5, Bootstrap3.

Work Experience

British Telecom Global eServ, India **May 2016 – Nov 2016**
Programmer Analyst
- Reduced the processing time by 22% for the network function parser, Java, once any customer places request for modification parser identifies the inventory changes that are necessary to accommodate the order modification.
- Increased system performance by 27% by optimizing critical rendering path to render HTML document without blocking rendering of tree and CSS, external JavaScript loading without blocking DOM & CSSOM construction.

Samsung R&D, India **July 2012 – April 2015**
Software Engineer
- Developed a framework (Java) component from scratch to integrate into a flagship device.
- Owned full ownership of the module right from the SRS documentation, Architectural design, component design, implementation and unit testing of the same for Android platform.
- Worked on PoC's for Android telephony framework team on Samsung flagship devices.

Additional Experience and Awards

Arizona State University, United States **Summer 2017**
Graduate Research Assistant
- Designed and developed a student learning system that helps students work collaboratively in real time. Implemented using spring boot, PostgreSQL, and hibernate. Web sockets to handle real time canvas changes and a Math analyzer to store user strokes in the MongoDB.

Samsung Spot Award:
- Awarded for development and ownership of BT-SAP POC (Proof of Concept).
- Received Samsung grade for an Idea on eUICC (embedded UICC) to handle memory management.