

## RAVI BHARAT NAIK

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### COMPUTER SCIENCE / PROGRAMMER

Software enthusiast with a Masters in Computer Science degree focusing on Software Development and Database Management Systems; have solid understanding of:

- Big Data DBs
- Java, C#
- Designing Algorithms
- Distributed Software Development

### EDUCATION

#### Arizona State University, Tempe, AZ

May 2014

Master of Science – Computer Science GPA 3.4

#### Rajiv Gandhi Institute of Technology, Mumbai, India

May 2012

Bachelor of Engineering – Computer Science GPA 3.6

### JUNIOR SOFTWARE ENGINEER, ORION HEALTH – July 2014 - Present

- Worked with the analytics team to help populate the disease registry in Elasticsearch from different sources like clinical repositories, files using Apache Spark in Scala.
- Created a RESTful web application on top of Orion's existing platform (OSGi) to communicate with Elasticsearch and have relevant data available to be displayed on the front end. Implemented the patient complete logic and incorporated it with the Apache Spark component of the application.
- Created a wrapper around the open sourced version of Puppet module for Elasticsearch to automate cluster deployment and wrote Rspec and Beaker Acceptance tests for the same.

### ADVANCE PROGRAMMER, Massively Parallel Technologies – May 2013 – July 2014

- Developed UI features for the High Level Design component of the Company's "Blue Cheetah" product using Flex and business logic in Java. Also worked on sessionizing the execution of the "Visual Engagement Mapping" concept for mobile applications which is incorporated with Blue Cheetah.
- Worked on "Requirements Extraction", a component that will create a High Level Design of the project from the project Requirements.

### PROJECTS

#### WCF WEB SERVICES

- Created a number of WCF web services including sending an email, sending an SMS, Encryption, Decryption etc and consumed them in applications, web forms and ASP.NET web sites.
- Created an online service oriented system for buying and selling books using the services and the class libraries (dlls) implemented.

#### TESTING MINI PROJECTS

- Performed testing on software specifications that were written in Java using JUnit, included Design of Experiment pairwise testing using Hexawise, performed research on Loadstorm testing tool that is used for testing web applications.
- Utilized eCobertura plugin of Eclipse to test the coverage of the code and used PMD (Eclipse) to find data anomalies in the code.

#### DATABASE MANAGEMENT IMPLEMENTATION – FUZZY DATABASE

- Changed the implementation of a given relational database system, MiniBase such that it behaved as a fuzzy database. Implemented the basic join operations in a fuzzy database and their incremental updates which form an integral part in computing dynamic, continuous top k elements.

#### STATISTICAL LEARNING AND CLASSIFICATION

- Studied the effect of combining multiple features using different methods like "fusion of classifiers", "linear cascade", "non-linear kernel fusion" and evaluated their accuracy of such classification using the libsvm package.

### COMPUTER SKILL SET

Programming Languages: Java, C#  
Version Control: Git, SVN  
Build Tools: Ant, Maven

Databases: Oracle, MySQL, MongoDB, Elasticsearch  
Web: HTML, CSS, AS3, XML, JSON  
Deployment: Puppet, Bamboo