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PROFESSIONAL SUMMARY

Software developer specializing in Java Applications and Cloud technologies. Experience working with technologies such as Java, JSP/Servlets, Python, C#, Hibernate, Spring Framework, SQL, MongoDB, Selenium, Cucumber, Gherkin, HTML, CSS, Bootstrap, jQuery, AngularJS, Docker, Kafka, Apache Spark, Amazon Web Services. Experience working in both waterfall and agile environments. Implemented CI pipelines using Maven, Git, and Jenkins. Team player always looking to learn new skills and technologies.

- Extensive experience with **Java, JavaScript, AngularJS, HTML, CSS, Bootstrap, SQL, AWS, Spring, Hibernate, Git, and CI Pipelines**
- Developing highly scalable **Docker** deployable micro-services and making it available on **Mesos** and **Marathon** clusters on **AWS EC2** Instances
- Create highly scalable, event driven applications to use **Zookeeper** and **Kafka** cluster for stream processing messages
- Use **MongoDB** replicated clusters to store, and process data in an efficient, and flexible manner
- Use **Spring Boot** and **Spring Cloud** to create efficient and operationally consistent APIs and Web Applications
- Designed front end dynamic and static pages using **HTML, CSS, AngularJS** and **Bootstrap** and incorporated **JavaScript, jQuery** to enhance web application functionality
- Leveraged **AngularJS** to create single page applications
- Implemented web applications back-ends using **JSP/Servlet** technologies
- Created single page applications using **AngularJS, AJAX** and **Spring MVC**
- Experience working with **SOAP** and exposing **REST APIs**
- Designed Data Models using Object Oriented Database principles using **Hibernate** and **Spring ORM** frameworks
- Build **CI** pipeline compliant applications using static code analysis, sonar to automate build and deploy process
- Use of version control (**Git**) for the work flow in team based projects
- Set up **Continuous Integration Pipelines** using **Maven, Jenkins, and Git**
- Created cloud formation templates to spin up **AWS EC2** instances with auto-scaling and launch configurations
- Created Java based **AWS Lambda** functions for events triggered out of AWS
- Use Apache Spark to process data in clusters using **RDD** and **Datasets**
- Developed a generic Spark application to archive large data across databases in **MongoDB**
- Use AWS services of SNS, SQS, Lambda, and S3 in micro-services for processing data and event notifications
- Working in a complete agile environment in the project using Jira, Git and Confluence
- Worked on Salesforce CRM to create users, accounts, opportunities
- Created workflows, approvals, triggers, validation rules for user client requests
- Used SOAP requests to validate and modify data to Salesforce using SQL, PL/SQL and Java

EDUCATION

UNIVERSITY OF TEXAS AT ARLINGTON | USA

Master of Science in Computer Science

Jan 2014 – Dec 2015

GPA: 3.6/4

Relevant Coursework: Database Systems, Computer Networks, Software Engineering, Distributed Systems, Web Data Management & XML, Cloud Computing, Wireless Networks, Secure Programming, Advanced Software Engineering (Program Analysis)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY | INDIA

Bachelor of Engineering in Information Science

Sept 2007 - June 2011

GPA: ~3.7/4

KNOWLEDGE & SKILLS

Programming languages	Java, Python, C#
Web	HTML5, CSS3, JavaScript, jQuery, JSP, PHP, AJAX, AngularJS, Node.js
Operating systems	Linux, Ubuntu, Windows
Databases	MySQL, Oracle, MongoDB, AWS RDS
Others	REST, SOAP, MVC, XML, Spring, Hibernate, Amazon Web Services (AWS), Google Cloud (App Engine), Git, SVN, Apache Spark, Docker, Mesos, Marathon, Zookeeper, Kafka, Agile Methodologies

WORK EXPERIENCE

CAPITAL ONE | Richmond, VA

Sep 2016 – Present

Project: Embossing Modernization

Worked on modernizing and migrating the Card Embossing and its related applications and processes from Legacy to Cloud.

- Develop highly scalable Spring boot micro-services and deploy on AWS
- Use ATDD and Jenkins Pipelines to automate and streamline testing and deployment
- Create and utilize CICD Solutions for services for Agile Delivery of Software
- Use Kafka and Zookeeper to create long running event driven micro-services
- Utilize Docker to containerize services for environmental consistency and operational efficiency
- Deploy containers to Mesos and Marathon Clusters efficient utilization of resources
- Use MongoDB replicated clusters for fast, and persistent storage
- Use Python and bash scripts to purge logs, copy data from cross accounts in EC2 instances
- Work on AMI rehydration of EC2 instances on East and West regions
- Use Apache Spark to cluster handling of data
- Performed traffic switch of applications across regions of AWS with minimum impacts to customers
- Create AWS Cloud Formation templates for EC2 instances and Lambda

Technologies: Java, MongoDB, Docker, AWS, Mesos, Marathon, Kafka, Zookeeper, Spark, AngularJS, HTML5, JavaScript

System Engineer | INFOSYS LIMITED, INDIA

Sep 2011 – Dec 2013

Project: Air Liquide

- Worked on Salesforce CRM to create users, accounts, opportunities
- Created workflows, approvals, triggers, validation rules for user client requests
- Worked on the complete migration of Air Liquide IM SFDC instance to Air Liquide Healthcare SFDC instance
- Use Salesforce SOAP API to create interface for client requests in database to salesforce
- Handle pre-refresh/post-refresh tasks of SFDC instance
- Worked on resolving priority requests and incidents on a limited timeframe

Project: One-Dupont/DPC

- Worked on resolving various types of priority issues for One-Dupont and DPC (Axalta)
- Handle pre-refresh/post-refresh tasks of SFDC instance
- Develop apex classes/triggers
- Created workflows, approvals, triggers, validation rules for user client requests

Technologies: Java, Salesforce, Apex, Visualforce, SQL, Oracle, PL/SQL, HTML5, JavaScript, REST, SOAP

OTHER PROJECTS

Online Electronic Store Website

Oct 2015 – Jan 2016

- Features include basic free text search, advanced search of products, category navigation, store details and social network sharing with new modern look and feel
- Developed using J2EE, MySQL, MVC architecture, Singleton and Factory design patterns and it followed the complete SDLC and Agile methodologies. SCM, static code analysis, testing tools were used
- Hosted on Amazon web services using the services of EBS, RDS and EC2

Flawfinder – Static Analysis Web Application

Aug 2015 – Oct 2015

- This allows a user to do static analysis on C/C++ source code as a web application
- The application uses the static analysis tool Flawfinder

TouchJDE - Web-based Java IDE

Feb 2015 – May 2015

- Inspired from Microsoft's touchdevelop editor, developed a Java development environment to develop, compile, and execute Java programs on a browser
- Features include creating user-specific project workspace, creating/editing Java class on the browser editor using on-screen touch-based input keyboard
- Compile and execute the program written on the editor to view the compilation results and output in the browser

Findbooks: Android app to find books using BLE Technology

Apr 2015 – May 2015

- Android app to find books in bookstore using Android BLE technology. The app scans for nearby bluetooth smart sensors in bookstore to list them as categories of books
- On selection of a category, the list category-specific books are returned along with the exact location and details of the book. Developed using *CC2541 TI sensor tag* and Parse datastore

Big Data and Machine Learning on NCDC data

Apr 2015

- Captured year by year interesting weather information over 25 years from NCDC dataset using Hadoop Map-Reduce
- Machine Learning was applied on this interesting information to view data clusters using k-Means Clustering
- Visualization was applied on this clustered data using **d3.js** to view interesting patterns. Developed all of the above on Amazon EC2 & cloud9.io

Web Application using AWS

Mar 2015

- Implementation of simple web application using PHP to allow sellers to upload and delete product, and to view by categories of products
- Developed using PHP, Amazon DynamoDB NoSQL for database and Amazon S3 for storage.

Completely Fair Scheduler (CFS) using Red Black Trees and Heaps

Dec 2014

- Implementation of simplified version of Linux's Completely Fair Scheduler (CFS) using Red-Black Trees and Heaps data structure in Java
- The scheduler processes the task based on its unfairness value
- The tasks are inserted into the RB tree based on this unfairness value