Hari Krishna Bodicharla

mailto: hari.bodicherla@gmail.com
Mobile: (630)-383-6241
Website: haribodicharla.com

Summary

- Software Engineer with over 6 years professional IT experience and graduated masters in computers with 4 GPA winning Dean's Appreciation.
- Strong background in developing web and e-commerce application using Java, HTML5, Javascript, CSS3, Bootstrap , AngularJS , Python, C++ and other related technologies.
- Experience in building Start up Projects from Scratch in the field of Data Integration , Data Visualization and and Data Analytics.
- Strong Academic and self practical experience on Swift 3 , Machine Learning, Hadoop, Scala and Spark in the field of Data analytics.
- Excellent understand of the industry leading software methodologies such as Waterfall, Scrum and Agile.
- Strong programming, analytical and problem solving skills.
- Excellent mentoring skills and team leadership qualities that result in the achievement of milestones.
- Strong communication and interpersonal skills.
- Experience in managing the projects using SVN , Bitbucket and GIT hub version control management.
- Strong Object-Oriented Programming Concepts OOPS with OOP methodologies and Design skills.

Software Skills:

Programming Languages: Java , C++, SCALA
Libraries & Frameworks – AngularJs, Docker, Bootstrap, SPARK, Ionic ,Restful, analytics
Scripting Languages : PHP, Python, HTML5, CSS3, JavaScript, JQuery, XML, JSON
Operating Systems: Linux, Windows 07, 08, UNIX
Others:, Linux Editor, MS Office, IntelliJ, Eclipse, SVN
Databases Technologies: Hadoop**,** MongoDB, Hive , MySQL, ElasticSearch, Postgres,Big Data

Education:

Masters of Science in Computer Science
Buchtel College of Arts and Sciences, University of Akron, OH
GPA - 4.0 out of 4.0

Bachelors of Technology in Computer Science
IIIT Hyderabad, India.
GPA - 3.5 out of 4.0

Publications and achievements:

- Published IEEE Research Paper on Trackship Application and Presented at *The 2014 International Conference on Semantic Web and Web Services*, Las Vegas city, Nevada
- Certified with Oracle Java 8 certification.
- Participated and solved coding challenges at ACM Coding Competitions in 2013, 2014
- Created a mobile application to track homeless people at the JP Morgan Chase "Code for Good" challenge

Work Experience:

Senior Full Stack Developer, Metricstream, PaloAlto, CA   Jan, 2016 – currently

- Pitched an Idea of visualizing the insights on Metric stream platform with the vision to enable sales to grow high.
- Designed, Developed and Deployed the cloud insights Dashboard creating on fully functional autonomous application to view the insights .
- Had an hands on experience on Dev-ops in setting up networking and hosting environments for both development and production in docker containers.
- Worked on Relational and non-relational databases like Postgres to store the aggregated data and Elastic Search cluster to store raw data while data collection.
- Created API endpoints and integrated them closely with the requirements and the external world
- Designed and developed User interface in JS, HTML5, CSS3 , Bootstrap etc,
- Focused on Security concerns throughout the program while balancing customer and business needs
- Made 14 deals with new customers with the help of dashboard insights and got noticed by board members as highly useful application for internal use.
- Planning to make it commercial to sell to customers for reviewing the usage of metric stream platform to avoid un necessary user licenses and identify less usage forms and reports.

Full Stack Developer, ZL Technologies, San Jose, CA   Aug, 2014 – Jan, 2016

- Developed cutting edge features like Parsers for log summaries, Emails, IM chats etc., using Java and Apache Open source libraries like Lucene and Commons .
- Designed , Developed and Deployed the mail retention UI components into the production server.
- Worked with Public APIs like Google Drive API, Twitter API for discovering and archiving user information from social networks
- Have practical experience on understanding the Zookeeper and configuring it for to manage several clusters using Master follower relations.
- Developed automated tools for Wells Fargo Client using Java and JSP that do complete environment migration from ZL 7.0 to ZL 8.0 builds which saved hundreds of manual labor hours in migrating the database with high level precision.
- Used Apache POI, Maven, ANT, Itext PDF libraries in building text generation features for ZL technologies.
- Understood the power ranking algorithms used in the Data Analytics from context machine learning prediction with the archived mails.

Technical Lead and Founder , TrackShip Application   Feb, 2014 – August, 2014

Developed Mobile Application called "Trackship" –   A Customer service application in integrati multiple shipment services for tracking, locating and comparing shipment prices between multiple shipping services.

Published IEEE Research Paper on Trackship Application and Presented at *The 2014 International*

Conference on Semantic Web and Web Services, Las Vegas city, Nevada

Engineering Intern, Thomson Reuters Company, Greater New York City   June – Sep 2013

> T2 Mobile Web software Application – Developed framework features and added mobile web soft ware application functional and responsiveness across various devices like IPad, Nexus, Samsung and Windows' Surface.

- Worked with Core Development Team on T2 mobile web application using HTML5, CSS3, Javascript, AngularJS and SVN
- Actively Participated daily scrum meetings with onsite and offshore teams to share my ideas and discuss about the feasibility of requirements and features to add.
- Worked on NoSQL databases like MongoDB and Neo4j for to efficiently retrieve the data in real time by Formulating queries and configuring the databases.
- Proud to be the member of release team in successfully moving product into deployment and rolling out version 1.0.0 as initial release to customers supporting.
- Appreciated by Vice President of Thomson Reuters for my performance and been called as Front End Guru

Senior Software Engineer, Rockwell Collins, India   May 2009- Aug 2012
Involved in the design and development of Flight management System (FMS) software for Boeing in Java
Led a team of 15 to verify and validate the ICPF software v6.5.
Worked on actual target machine and shared my expertise to colleagues by visiting Head Quarters at Cedar Rapids, Iowa, USA

Graduate Assistant, University of Akron: Dec 2012 – July 2014
Developed YouTube Insights Data collection tool for analyzing Movie trailers by collecting Big data and to predict the success or failure of the movie depending on the sentiment analysis of comments, views, likes etc.
Technologies used: HTML5, CSS3, MongoDB, Python, JavaScript, YouTube API, XML.

Social Network Prediction Model using Graph theory Research Paper:
Researched on Using relationships between friends and Communities, to predict the involvement in Facebook community pages using graph theory database..
Technologies used: MongoDB, PHP, JSP, Facebook SDK API, XML

Processing IDS Dataset with Hadoop Map Reduce:
Installed and configured Hadoop platform with IDS dataset stored on HDFS and implemented Map Reduce Jobs for inversion index, attack type distribution and analyzing the network protocols that are most vulnerable through processing Historical data.
Technologies used: Hadoop, Map Reduce Java, HDFS, UNIX.

- **Graduate level - The University Of Akron:**
    o Project – Developing Big Data Hadoop services using YouTube insights datasets
    o Calculator – Developed Calculator following BODMAS rules of precedence in C#
    o Project - Developed Image Segmentation tool separating fore ground image from background image in greyscale image using Java and GUI interface
    o Project – Developed Dijkstra's Algorithm in C++ with high performance review

o   Project – Written SQL Injection Attacks, Research paper on SQL Injection Attacks using Amnesia, SQLMap tools

IIIT Hyderabad, India.
- Research project on 'symmetric key protocols for key distribution in p2p networks' for secure key sharing among peers..
- Designed and developed commercial shopping website for Ratan Marbles.
- Developed online quiz application as part of Building Science Course Project
- Designed and developed web application for our college system admin to manage all requests of   students and faculty