

Hari Krishna Bodicharla

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Summary

- Capable Full Stack Software Engineer with over 6 years professional experience and graduated masters in computers from the University of Akron with 4 GPA winning Dean's Appreciation and graduated Bachelors from IIIT Hyderabad , one of the top tier Indian universities
- Strong background in developing web and e-commerce application using Java, HTML5, Javascript, CSS3, Bootstrap , AngularJS , d3js, c3js, High Charts Js,Python, C++ and other related technologies.
- Strong Object-Oriented Programming Concepts OOPS with OOP methodologies and Design skills.
- 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 understanding in DataStructures and Algorithms implementations.
- 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.

Software Skills:

Programming Languages: Java , C++, SCALA

Libraries & Frameworks – AngularJs, d3js, 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 - 7.5 out of 10.0

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

- Designed, Developed and Deployed the cloud insights Dashboard creating on fully functional autonomous web applications with vision to enable Insights for customers and sales engineering department .
- Configured networking and hosting environments for both development and production using docker containers.
- Configured and developed queries and APIs to interact with 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 , C3js, D3js, UnderscoreJS, JQuery, AJAX , Bootstrap etc,
- Created Alert notification services and log monitoring services as a part of continuous integration process for the web application.
- 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.
- Developed commercial web application to sell to customers for reviewing the usage of metric stream platform to avoid unnecessary 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
- 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.
- Created test files using Apache POI, Maven, ANT, Itext PDF libraries for text generation features
- Worked on 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 integrating 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 software application functional and responsiveness across various devices like iPad, Nexus, Samsung and Windows' Surface.

- Developed code for T2 mobile web application using HTML5, CSS3, Javascript, AngularJS, Bootstrap and SVN
- Created a huge impact on Software Web Application design with my innovative ideas in our daily scrum meetings with onsite and offshore teams.
- Configured databases and created Queries for NoSQL databases like MongoDB and Neo4j to efficiently retrieve the data in realtime .
- Appreciated by Vice President of Thomson Reuters for my performance and been called as Front End GoTo Engineer

Senior Software Engineer, Rockwell Collins, India **May 2009- Aug 2012**

Developed code in 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

IIT 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