

Raghavendra Chari K

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SUMMARY

- Experience in Micro service architecture, AWS(including deployments & HA), Kubernetes, Golang, Java
- Eight months of internship experience with Kindle team, Amazon@chennai.
- An excellent problem-solver, able to quickly grasp complex systems and identify opportunities for improvements and resolution of critical issues.
- Quick learner (lifelong learner and enjoy learning) and a good team player.

SKILLS

- Golang, Java, Python
- Amazon Web Services, Cloud Formation, Docker, Kubernetes. Microservices Architecture.
- RESTful WS. Working knowledge of Protobuffer3 & gRPC.
- Working knowledge of HTML, CSS, JavaScript, jQuery, AJAX, PHP & etc.
- Maven and Gradle. Agile
- Oracle RDBMS, Elasticsearch, MySQL
- Strong fundamentals in Data structures and Algorithms
- Strong problem solving, analytical, design and coding skills. Good communication skills
- Practical applications of Object Oriented Analysis, UML, Design Patterns and Micro service architecture s in the development of large software
- Familiar with ML(Azure & TensorFlow).

EDUCATION

Master of Computer Application

Tamil Nadu, India

National Institute of Technology, Tiruchirappalli.

Graduated: 2013

BSc Computer Science(Mathamatics, Statistics & CS)

Andhra Pradesh, India

Government Degree College, Anantapur.

Graduated: 2009

EXPERIENCE

- Senior Software Engineer in MobileIron India Pvt Ltd, Bangalore Jan 2017 – till now
 - Responsible for all platform side changes for MobileIron's access product in AWS.
 - Part of platform team to create and deploy Kubernetes manifest files using helm templating, kops & etc.
 - Working on Prometheus & Datadog for monitoring k8s cluster & services.
 - Guide SRE team with deployment process for every release. Enhance deployment process to minimize downtime
 - Cost saving on usage of AWS resources on DEV/QE AWS accounts by keeping resources to minimal
 - Disaster Recovery(DR)
 - Write python/bash script for automating some of the steps for faster and easier deployments
 - Debug service(s) failure in clusters(QE/STG/SANDBOX/PROD)

- Collect metrics, post them on to cloud watch & configure alarms(with SRE team)
- Verify performance of couple of services in cluster as needed
- Create elastic search and db migration scripts
- working on UI for managing cluster deployments on aws. creating docker image for the same
- do spikes and document spike findings.
- Tools and technologies: Java, Spring boot, Docker, Cloud formation, boto3(python), Bash, Jenkins, chef, Amazon Web Services like KMS, SQS, RDS, Elastic Cache & etc., Go, Kubernetes
- Open source project
 - Vdock(<https://github.com/rchari66/vdock>). It's a docker with integrated IDE for managing static site content.
- Senior Software Engineer in Techmojo Solutions, Hyderabad Mar 2016 – Dec 2016
 - Working for OpenBet.com(Online Games and Sportsbook software).
 - Understand how promotions and funding services work and develop new features as required.
 - Working on TCL, Apache server and Informix DB.
 - Following Agile Methodologies. Hands on branch deployment tools in Open Bet.
 - Apache app server, TCL, Informix DB, Linux
- Software Engineer in Teradata India Pvt. Ltd, Hyderabad July 2013 – Feb 2016
 - Involved Discussion, design and development of new features.
 - Implemented Java-ldap-client tool for testing. Got an NOTT award (performance award).
 - Designed and implemented ASN1 DER package in JAVA.
 - Experienced on different types of security protocols like Kerberos, Ldap and TD2.
 - Followed Agile Methodologies.
 - Worked on Distributed Test Framework.
 - Take active role in bug fixing, code reviews. Train new hire to get familiar with basic concepts which are used in the team.
 - Implemented Tdnego feature. Tdnego is a Teradata's Negotiating security mechanism. This feature allows clients establish a secure context with server without specifying any mechanism based on given credentials. This feature is implemented using rfc4178(Generic Security Service Application Program Interface (GSS-API) Negotiation Mechanism) and rfc2853(GSS-API for java bindings) standards. As part of this I have designed and implemented ASN1 DER package for data encoding and decoding.
 - Environment: Java, RMI, Distributed Computing, C, Shell, UNIX, Windows
 - Tools : Eclipse, Ant, Clearcase
- SDE Intern at Amazon, Chennai with the Kindle team Dec 2012 – June 2013
 - Automatic detection of Unsupported Layout Categories for Topaz. Topaz is one of the e-book file format owned by Amazon. Given an input directory containing all pages of a book where each page is a JPEG file. This system uses innovative approach to find the text of any language (without OCR engine's help) in each page of the given book and classifies the book as unsupported if any of unsupported layout types are found.
 - Environment: Java, Shell, Red Hat
 - Tools : Eclipse, Ant, Git
- SDE Intern at Amazon, Chennai with the Kindle team April 2012 – July 2012
 - Identifying Punctuations Using Neural Network and Rules engine. Given a set of Scanned JPEG images from text book sources, this system identifies all the punctuations in each individual pages by analyzing individual characters using the neural network (used Pre-existing code to get individual characters).
 - Technology / Language: Java, Neural Network (Easy neuroph)

SCHOLASTIC ACHIEVEMENTS

- Secured AIR 19th in NIMCET 2010.
- Secured 89th rank in I-CET 2010, Andhra Pradesh state level MCA entrance test.
- 2nd prize, Crazy Programing Event in Adventure, Pragyan 2012, NIT Trichy.
 - Got Internship offer from Amazon, Chennai.
- 2nd prize, Coding Competition, Infotrek 2012, NIT Trichy

PROJECTS

- Online Survey (Apache, PHP, MySQL, HTML5, CSS3, Java Script, JQuery, Ajax) **June - August 2015**
 - An online survey about “Assam Handicraft Consumer Survey”.
 - Sending Invitation and reminder emails to take the survey. Each email contains unique link.
- Deployment System (C#, SQL Database) **November - January 2012**
 - Deployment System that allows the submission of codes by users and evaluates them and gives grades to them based on time complexity of code and also conducts online tests.
- Broadband billing System (C++) **September 2010**
 - An application to track the phone calls and internet usage of individual customers.
 - Prepares monthly bills for each customers based on their internet usage and the calls they made.
- Social Network Management (PL/SQL)
 - Allows people to create their social network account and manage friends list
 - Completely implemented in PL/SQL

POSITIONS OF RESPONSIBILITY

- Member of food committee in MobileIron **Feb 15 – Feb 2015 date**
- Administrator on developed online survey for Assamese handcraft www.ajaykumarkoli.com **June– Aug 2015**

CO-CURRICULAR ACTIVITIES

- Winner in Handball, Govt. Junior College, Kadiri in 2004.
- Represented Anantapur District twice in State Level Chess tournament, 2003 and 2004