

Veepuri VS Prasad Raju

SOFTWARE DEVELOPER · SYSTEM ENGINEER

#5-184, Ravikampadu, Thondangi Mandal, East Godavari, Andhra Pradesh, India

☎ (+91) 905-912-7080 | ✉ prasadraju.veepuri@gmail.com | 📷 pj-vvs | 🌐 prasadraju.veepuri@gmail.com

Summary

- Currently working as Software Developer at Tata Consultancy Services having **3 years** of experience in design, development, deployment and test of client server and web based software applications
- Development experience in Big Data analytics solutions for processing Syslog streams using **Apache Flink, Memcached and MongoDB** distributed cluster.
- Strong working experience on **Core Java** (Collections, Threads and Exception Handling)
- Have good knowledge on **Data Structures and Algorithms**
- Experience in **RESTful** Web Service development and deployment using Spring Boot.
- Have knowledge on implementation of micro services using Docker containers on **Kubernetes**.
- Good Experience in usage of version controls such as **SVN, Git**.
- Have knowledge on Java web application technologies like HTML, Servlets and JSP
- Well versed with **Agile** Software Development process.

Work Experience

TATA Consultancy Services® Limited

Hyderabad, Telengana

PROJECT: **5G CORE NETWORK**

CLIENT NAME: **TCS NEXTGEN LABS**

Feb. 2018 - PRESENT

• Project Description:

- 5GC Simplifies core network architecture to implement on-demand configuration of network functions through control and user plane separation, component-based functions, and unified database management.

• Roles & Responsibilities:

- Understanding the different components of 5G core network.
- Understanding the 3GPP specifications on 5G.
- Implementing the core functionalities of the NRF(Network Function's Repository Function) and its services (Registration, Deregistration, Subscription, UnSubscription, Heartbeats and notify).
- Implementing functionalities of UDM(Unified Data Management) and UDR(Unified Data Repository) Rest services

PROJECT: **TCS SPYGLASS (SYSLOG ANALYTICS AND STATISTICS)**

CLIENT NAME: **TCS NEXTGEN LABS**

Jan. 2017 - Feb. 2018

• Project Description:

- TCS Spyglass is a Big Data Analytics solution to process the syslog data coming from Firewalls/Routers/Switches and to generate analytics data. It is a data streaming application where it captures and analyses live data from multiple devices.
- Firewall syslogs reveal a lot of information on the security breach attempts and nature of traffic coming in and going out of the firewall. Firewall syslog messages contains the network traffic information like source, destination ips and denial of service information.
- The application captures the live data from firewalls and run some analytics and generates a very useful information like top 5 source IP's being denied in last 5 mins, top 5 destination IP's being denied in last 5 mins, top 5 permitted source IP's and top 5 permitted destination IP's.
- SpyGlass application uses Apache Flink Data Stream API's to process the live data coming from firewalls. Apache Flink is a powerful real time data streaming engine in Big Data analytics and machine learning space. It process the live data from multiple sources and generates analytics data on the flow.

• Roles & Responsibilities:

- Worked as team member in design, development and deployment of the solution
- Explored Apache Flink Keyed streams, Tumbling windows capabilities to process multiple data streams coming from Firewall, switches and Routers.
- Implemented use cases to generate analytics data by leveraging batch and stream processing capabilities of Apache Flink.
- Worked with distributed mongodb cluster environment which can be scaled horizontally.
- Implemented pagination logic with memcached in-memory caching system to increase responsiveness of user interface.

STRATE® Limited

Johannesburg, South Africa

PROJECT : **CORPORATE ACTIONS-E VOTING**

CLIENT NAME: **STRATE LTD**

Aug. 2016 - Nov. 2016

• Project Description:

- Strate is a South African Central Securities Depository. It provides electronic settlement of Equities, Bonds, Moneymarket securities, and Collateral Management services.
- Custody and Settlement, Collateral Management and e-voting are the services in Corporate Actions, provided by Strate.

• Roles & Responsibilities:

- Worked as team in design, development and deployment of the solution.
- Have worked in major part of back end development for e-Voting in Corporate Actions.

TATA Consultancy Services® Limited

Chennai, Tamilnadu

PROJECT : **ILP TRAINING AND STRATE LTD OFFSHORE ACTIVITIES**

Nov. 2015 - Jul. 2016

- Trained on java and allocated to Client(Strate Ltd.) assignments

Education

Andhra University (College Of Engineering)

M.TECH. IN INFORMATION TECHNOLOGY

- Got AICTE scholarship during the course period.
- Graduated with 8.42/10 GPA

Visakhapatnam, Andhra Pradesh

Aug. 2013 - Oct. 2015

KIET College (Affld. JNTU College of Engineering)

B.TECH. IN COMPUTER SCIENCE AND ENGINEERING

- Got general proficiency Award during the course period.
- Graduated with 73.35 percentile.

Kakinada, Andhra Pradesh

Sep. 2008 - May. 2012

Skill set

PROGRAMMING LANGUAGES

- Good Understanding : Core Java
- Familiar : Shell Scripting, SQL, Java Script

BIG DATA

- Good Understanding : Apache Flink
- Familiar : MongoDB, Memcached

MICRO SERVICES

- Familiar : Dockers, Kubernetes

FRAMEWORKS

- Familiar : Spring, SpringBoot

OPERATING SYSTEMS

- Familiar : Ubuntu, Windows

CLOUD TECHNOLOGIES

- Familiar : OpenStack, ONAP

Academic Projects

Discovering Closely Related Peers of Person in Social Networks

Andhra University

M.TECH PROJECT

2015

- **Abstract:**
- In social networks, finding a group of similar people of a specified person is meaningful task in many areas like substitution/alternate recommendation system. For a given person, considering hobbies, interests etc., as base forming a group of peers from social networks. Here we propose mutual unique identification group(MUID) algorithm for identifying closely related peers.