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Working Experience: 3+ years

Senior Software Development Engineer, Kony Labs, Hyderabad: 2017 July – Present
Product: Kony Analytics

Performance Improvements: Scaled message processing system which resulted in 5X improvement in processing speed. Implemented batching for MYSQL and MSSQL databases which resulted in 3X write performance improvements.

Eliminating millions of duplicate messages from amazon SQS:
Successfully designed and implemented a procedure using Redis which eliminates millions of duplicate messages in processing.

Upgrades with zero regression:
Successfully upgraded the Jasper Reports Server from 6.2.3 to 7.1, Celery 3.1.25 to 4.1.0 and Python 2.7 to 3.4 with zero regression.

Owned entire on-prem E2E testing:
Worked with different teams to fix and streamline the E2E testing process which runs daily.

Software Development Engineer, Kony Labs, Hyderabad: 2016 June - 2017 July
Product: Kony Analytics

Fabric Reports: I owned up the entire front-end codebase. Built complex reports on Jasper Reports server and developed complex charts using native JavaScript, c3, and d3.

Analytics App: Major contribution in deploying Analytics app on the Kony platform which helps in running the Fabric reports on mobile.

Software Development Intern, Kony Labs, Hyderabad: 2015 Dec - 2016 July

With a team of two. We have built a test recorder that requires no human interaction for the apps which are built on the Kony Platform.

Education:

2012-2016	CVR college of engineering, Hyderabad <i>B.Tech Computer Science</i>	71%
2010-2012	Sri Chaitanya Junior college <i>Andhra Pradesh State Board, 12th Grade Exams.</i>	85%
2000-2010	Bhashyam Public School <i>Secondary School Certificate Public Examination 10th grade</i>	87%

Achievements:

- Received the “Individual Excellence Award” for processing performance improvements. and owning up the sign-offs for different configs in the recent releases.
- Received multiple “Team Excellence Awards” with different teams and multiple “SPOT Awards” for my continues contribution to the Metrics team.
- Secured the first price in Kony Hackathon.
- Successfully qualified for & completed Mission R&D Course(<http://missionrnd.com/>), founded by Srini Koppula and Perraju Bendapudi who did setup the Microsoft India Development Center in 1998.

Coding Profiles:

- https://www.hackerrank.com/tirupathi_podugu
- <https://www.interviewbit.com/profile/tirupathi>

Skill Set:

Programming Languages: Python, C, JavaScript, and AngularJS
Operating System: Windows, Linux
IDE: Pycharm, Eclipse, IntelliJ
Frameworks: Celery
Testing: junit, Mockito
Tools: AWS SQS, S3, Redshift, RDS, REDIS
Additional: Data Structures, Algorithms, Design patterns, System Design and OOPS.