

Tirupathi Podugu

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Working Experience: 4+ years

Senior Software Development Engineer, Kony Labs, Hyderabad: 2018 July – Present

Product: Kony Analytics

Worked on eliminating millions of duplicate messages from amazon SQS Standard Queues:
Successfully designed and implemented a procedure using Redis in order to eliminate millions of duplicate messages in message processing.

Performance Improvements:

On-premise: Implemented batching for MYSQL and MSSQL databases which resulted in 3X write performance improvements.

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 - 2018 July

Product: Kony Analytics

Performance Improvements: Cloud: Scaled message processing system by using amazon-S3-manifest-files in order to copy data from s3 to Redshift database. This has resulted in 5X improvement in message processing.

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

Fabric Reports: Owned up the entire front-end codebase and gained significant knowledge on the same. Built complex reports on Jasper Reports server and developed complex charts using native JavaScript, c3, and d3.

Analytics App: Major contribution in developing 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.

Also got a chance to work on third party Analytics software - Jasper Reports Server. I have attained good knowledge in creating reports, data sources and input controls.

Education:

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

Skill Set:

Programming Languages: Python, C, Java, JavaScript, and AngularJS

Operating System: Windows, Linux

IDE: Pycharm, Eclipse, IntelliJ, Jasper Reports Studio

Frameworks: Celery

Testing Frameworks: junit, Mockito

Tools: AWS SQS, S3, Redshift, RDS, REDIS, Jasper Reports Server.

Additional Skills: Data Structures, Algorithms, Design patterns, System Design and OOPS.

Achievements:

- Received “Individual Excellence Award” for message 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 continuous contribution to the Metrics team.
- Secured the first prize 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>