

Sathwick Reddy Yalla

Results-driven Software Engineer

Accomplished Software Engineer with over 2 years of experience in designing, developing, and optimizing large-scale, web-based, distributed systems. Proficient in Java, Python, Typescript, Apache Spark, and PySpark. Expertise in building highly available, low-latency, and scalable applications using AWS technologies. Strong background in big data, cloud computing, and continuous integration/continuous deployment (CI/CD) methodologies. Adept at collaborating with cross-functional teams and delivering high-quality solutions within stringent deadlines

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Bengaluru, Karnataka (Willing to relocate)

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medium.com/@sr7037

WORK EXPERIENCE

Programmer Analyst 1

Feb 2022 - Present

Amazon, Bangalore

- Designed and Developed a generic L3 step function model with cost-effective technologies like flexible fleets, which created an impact of **\$1.2M per year** savings for the org.
- Introduced an innovative generic orchestrating model for EMR jobs with proper end-to-end testing, resulting in **saving 95%** of developer efforts by saving more than 1 month developer time in any project setup.
- Enhanced code efficiency by introducing a generic constructs library with high quality coding standards and best practices which is being leveraged by more than **10 clients**, resulting in reducing more than **40% boilerplate code** for each client.
- Resolved and Debugged more than 40 tickets with in 7-day window with multiple initiatives by collaborating with team efficiently.
- Implemented an end-to-end highly scalable grafted tree paradigm model, improving **70% efficiency** in project setups reviewed and approved from all principal engineers across the org.
- Conducted training sessions to improve team proficiency in new AWS technologies by **30%**.
- Collaborated with peer engineers and senior team members to successfully resolve numerous production issues within high-priority projects.
- Exhibited a strong sense of ownership, continuous learning, consistently meeting multiple project delivery commitments within stringent deadlines, resulting in enhanced project efficiency and timely outcomes.
- Engaged in diverse projects involving AWS resources, including EMR, ECS, SNS, SQS, Event Bridge, S3, EC2, ELB, VPC, Open Search, Pipelines, Kinesis, Step Functions and Apache Spark.

Application Developer 1

Jul 2021 - Feb 2022

Oracle, Hyderabad

- Piloted as a Java Developer within a Business Analytics Team.
- Engineered on RPD Generator Framework Backend, Creating Visualizations using Oracle Analytics Services.
- Debugged and resolved software defects in the creation of RPD in On-Premise and as well as OAS Cloud applications.
- Optimized the SQL query execution time by **43% by optimizing joins** using **map side joins**.
- Collaborated with cross-functional teams to design, implement and test software features.
- Revised, modularized and updated old code bases to modern development standards, reducing operating costs and improving functionality.
- Managed a process of developing, implementing, and assessing application tests using industry-standard testing tools. Proficient in working with standard environments and implementing automation changes.

EDUCATION

Bachelor of Engineering: Computer Science
Chaitanya Bharathi Institute of Technology

CGPA: 8.73
Aug 2017 - May 2021

SKILLS

Programming Language

Java | Python | Typescript | Apache Spark | PySpark

Web Development / Frameworks

Nginx | AWS | Spring Boot | Java Script | Java | Spring | Maven | Redis | Kafka

Big Data

Hadoop | MapReduce | Apache Hive | Apache HBase | Apache Sqoop | Apache Spark | SQL | Linux / Unix | Machine learning

Cloud Technologies

Amazon Web Services (AWS)

Problem Solving

Data Structures | Algorithms | Debugging | Troubleshooting

Continuous Integration and Continuous Development

Jenkins | Cloud Formation | AWS CDK

Database

Apache HBase | Apache Hive | SQL | Dynamo DB



CERTIFICATIONS

Machine Learning A-Z: Hands-On Python in Data Science

Jul 2020 - Present

Certification

Link

<https://drive.google.com/file/d/1Zip4fwA0v33Pgbt8MEnlwpzVfNeSNCfN/view>

Project Internship in the position of Research Intern - Machine Learning Division

Jul 2020 - Present

Certificate

Link:

<https://drive.google.com/file/d/12--rGFXk2aXDGWuR5JpmpptxfgtOFDCQ/view>

Article Link: <https://medium.com/@sr7037/implementing-a-recommendation-system-on-imdb-dataset-through-machine-learning-techniques-47doa86dagdf>