

Naga Venkata Durga Sai Aditya Ambati

Software Developer

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Boston, MA

LinkedIn

GitHub

EDUCATION

M.S. in Computer Science

Aug '21 - May '23

University of Massachusetts Boston

Boston, MA

Bachelor of Technology in Computer Science & Engineering

Sep '14 - Apr '18

Jawaharlal Nehru Technological University Kakinada

India

TECHNICAL SKILLS

- **Languages:** Java, Python, Scala, Shell Scripting Bash, PHP, HTML/CSS
- **Database Management Systems:** PostgreSQL, MySQL, NoSQL (MongoDB), Snowflake, AWS RDS, AWS DynamoDB, ECS, EKS
- **Technologies:** JSON, RESTful Applications, Docker, Kubernetes, Apache Web Server, Linux Server administration
- **Tools and Platforms:** Git, GitHub, Bitbucket, Spring Boot, Django, Google App Engine, Ant, JUnit, Maven, Mockito, GrayLog, DataBricks, Jenkins

PROFESSIONAL EXPERIENCE

Library Systems and Applications Developer

Dec '21 - Present

University of Massachusetts Boston

Boston

- Developed and managed library applications including Alma, Primo VE, and Ex-libris, streamlined user interfaces, and enhanced access to library collections.
- Programmed APIs and scripts for data interoperability, generated analytical reports, and managed data workflows for decision support tools like Tableau.
- Conducted system and security maintenance on AWS Cloud Servers, performed troubleshooting, and liaised with vendor support for issue resolution.
- Documented library system standards/procedures, delivered staff training on new software, and led the adoption of technologies to improve service delivery.

Software Engineer

Dec '18 - Aug '21

Tata Consultancy Services (NielsenIQ)

India

- Developed a web application with ExtJS for front-end, Spring Boot for middle-tier, and PostgreSQL for the backend to control and monitor the entire process.
- Collaborating with cross-functional teams to develop RESTful APIs for improving data exchange efficiency by 40%.
- Implemented comprehensive unit testing for back-end modules employing JUnit for Spring Boot with code coverage of over 95%.
- Refined Java code and SQL queries to enable efficient downloading of large files, enhancing performance and scalability.
- Automated the process of reading, cleaning, and publishing sales data, reducing the end-to-end time from 4 hours to 1 hour and meeting the client's SLA requirements.
- Improved performance through parallel processing of Spark Jobs, reducing runtime by 30%.

DevOps Engineer

May '18 - Dec '18

innData Analytics Private Limited

India

- Implemented and Deployed CI/CD pipelines on OpenShift and Jenkins for multiple projects with monolithic and micro-services architecture.
- Developed cron schedulers for automated messaging and database tasks, reducing process time by 80%.
- Designed multiple Data pipelines on Apache StreamSets ETL Tool which has increased the efficiency by 70% and reduced manual intervention.

PROJECTS

Search Engine Optimization and Data Analysis | JNTUK

Sep '22 - Dec '22

- Engineered a Java-based PageRank algorithm on Hadoop to rank Wikipedia pages, tested on Amazon EC2 with a 39 GB dataset.
- Adapted text search for case-insensitivity and precision within Hadoop, enhancing search accuracy on extensive XML data.
- Deployed scalable MapReduce jobs on AWS, leveraging Elastic MapReduce for efficient data processing and analysis.

Timesheet Application (ReactJS, Spring Boot, PostgreSQL) | Ryben Staffing

Sep '22 - Dec '22

- Developed a web-based timesheet system using Java Spring Boot, React, and AWS, for efficient event time tracking and management.
- Designed and implemented a multi-tier architecture with REST API, facilitating role-based access for Admin, Manager, and Supervisor levels.
- Integrated email notifications and document management to boost system functionality and user engagement.

CERTIFICATIONS

- AWS Certified Developer Associate | Nov '23
- CCA Spark and Hadoop Developer | Aug '19