

"As a Software Engineer, I bring strong backend development skills, with expertise in building scalable web applications and distributed microservices. Cloud computing and data integration are also areas where I excel. I'm a firm believer in Agile methodologies and have hands-on experience with project management tools and collaborative platforms."

Skills:

Languages: Java, Python, JavaScript, MySQL
Cloud: AWS, EC2, RDS, S3, SQS, SNS, CloudFront, Cloud Formation, VPC, Azure Basics
Technologies & Tools: Docker, Data structure and Algorithms, GitHub, Jenkins, Apache Kafka, Jenkins, Linux, React, Spring Boot, ETL

Experience:

Cognizant Technology Solutions | Java, MySQL, ETL Mar 2022 – Aug 2022
Programmer Analyst Trainee | Mar 2022 – Aug 2022, Remote

- Developed and optimized backend services using Java and Spring Boot, Utilized MySQL for database queries and worked with Informatica and Talend for Data Integration.
- Spearheaded the deployment and management of EC2 instances on AWS, utilizing CloudWatch for monitoring and optimizing performance, ensuring high availability for internal applications.
- Implemented S3 for efficient storage and retrieval of data, enabling seamless integration with backend services developed in Java and Spring Boot.
- Demonstrated proficiency in managing cloud resources and implementing SCD Type 2, ensuring accurate historical data tracking and analysis.

Education:

Lamar University, Beaumont, TX Aug 2023– Dec 2024
/M.S Computer Science / GPA: 3.91

JNT University, Anantapur, India Aug 2018 – Jun 2022
B.Tech., Electrical and Electronics

Projects:

Webcom – Realtime messaging platform | WebSocket, STOMP, Java, Spring

- Engineered and deployed a real-time messaging architecture using WebSocket and message brokers, enhancing user engagement by enabling instant communication across the platform.
- Provisioned EC2 instances for hosting and utilized CloudWatch for monitoring performance and reliability.
- Integrated the STOMP protocol to manage message delivery and user sessions, allowing users to send and receive messages, and dynamically join or leave chat rooms. Automated the deployment process using Jenkins, ensuring seamless integration and continuous delivery to production.

Spring Boot Web App and Rest API | Java, Spring Boot, MySQL

- Developed a comprehensive task management web application enabling users to efficiently manage their tasks and an efficient REST based API focused on managing student records.
- Implemented user authentication with secure login methods (form-based and OAuth2) using Spring Security, while automating unit tests with Jenkins to ensure quality and reliability.
- Utilized Docker for containerization and automated the deployment process through Jenkins, ensuring consistent and reliable deployments to AWS environments.

Certifications and Courses:

AWS Certified Cloud Practitioner AWS | FEB 2024 | US

Online Coursework -Udemy - mastered practical skills in Java, Spring, Spring Boot, React, Kafka, Jenkins and Docker technologies, cloud computing with a focus on real-world application and development best practices.

Open Courseware- MIT 6.00 Developed proficiency in Python with a focus on problem-solving and algorithmic thinking, under the instruction of professors Grimson and Guttag (MIT online coursework).

Coursework & Interests:

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| ★ Data Structures and Algorithms | ★ Operating Systems | ★ Machine Learning |
| ★ Software Engineering | ★ DevOps | ★ UI with React |
| ★ Cloud Computing | ★ CI/CD, Automation | ★ Artificial Intelligence |