

Sriram Alokam

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Summary

A recent MS Computer Science Graduate, equipped with a diverse skill set encompassing **web application development and cloud computing**. Certified in **AWS**. Actively seeking entry-level Java and Cloud related roles.

Education

Texas Tech University, Lubbock, TX **January 2022 – May 2023** *Master of Science in Computer Science (Recipient of 50% Tuition Fee Scholarship) GPA: 3.6/4*

RVR & JC College of Engineering, Guntur, India **August 2017 – July 2021** *Bachelor of Technology in Computer Science and Engineering (Recipient of 100% Tuition Fee Scholarship) GPA: 3.7/4*

Courses: Computer Networks, Advanced Data Structures, Object Oriented Analysis and Design, Computer Organization, Unix Programming, Software Engineering, Cloud Computing, Web Services, Database Management Systems, Artificial Intelligence.

Certifications and Technical Skills

Certifications: [AWS Certified Developer Associate](#), [Spring Boot Microservices by Udemy](#).

Technical Skills: C++, Python, Java, AWS, HTML, CSS, React, Spring Boot Microservices, JPA, Hibernate, MySQL, SQL server, Junit, Mockito, postman, Docker, Jenkins, Git, Kubernetes, Bash/Shell,Json,YAML, Maven

Experience

Data Warehouse labs Inc August 2023 - present

Java Developer with AWS, Edison, New Jersey, US

Developed responsive UI components using HTML5, CSS3, JavaScript, and **ReactJS**. Utilized Spring Boot in a **Microservices** architecture to modularize code and implement **REST APIs**. Integrated Swagger API for documentation and employed core Java concepts (**Collections, Exception handling, Multi-threading, IO**) for business logic. Built and deployed cloud Microservices using **Spring Boot**, hosting them as RESTful Java Web Services on **Amazon Elastic Beanstalk**. Implemented AWS solutions including **EC2** server setup, resource configuration (**EC2, S3, Lambda, ECS, Load Balancers, IAM Security Groups**), and leveraged Amazon Elasticsearch for application monitoring and full-text search capabilities. Developed responsive UI components using

Cognizant February 2021 – July 2021

Programmer Analyst Trainee Hyderabad, India

Developed a scalable application with microservices architecture using Spring Boot, **JPA** with **Hibernate**, Spring MVC, **Postman API, JWT** authentication, and **Microsoft SQL Server** Database; optimized data retrieval, resulting in a 30% decrease in query execution time. Utilized **AWS EKS** to deploy 4 web services and used continuous integration service in order to automate the entire process of loading the latest build code and test files. Leveraged **Junit and Mockito** to develop comprehensive mock Web APIs, streamlining the process of interacting with targeted web page elements; significantly improved testing accuracy and reduced bug discovery time by 40%.

Projects

AWS-hosted Portfolio Website Deployment / React, AWS, VS Code

- Orchestrated the deployment of an existing portfolio website built in React on an Amazon EC2 instance, optimizing resources.
- Configured **NGINX** as the web server for rapid content delivery, while also implementing SSL encryption for enhanced website security.
- Established an **IAM user** with tailored **policies**, ensuring secure access for website maintenance, updates, and automated tasks; streamlined web application upkeep, scaling, and enhanced security protocols.

Movie Info Website / React, VS Code

- Created an interactive movie information website using **React**, delivering a user-friendly platform for exploring movie details.
- Utilized **Docker** to containerize the application, seamlessly deploying updates to **Docker Hub** via the pipeline, maintaining an up-to-date Docker image for efficient production release.
- Created Kubernetes deployment, services, secrets, and configmaps for deploying docker image.