

# Dheeraj Kolla

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## EXPERIENCE

### Software Developer

Feb 2024 – Jul 2024

*Saligram Systems Inc*

*Plainsboro, NJ*

- Developed and maintained REST APIs using Java and Spring Boot for the client prospect team, serving long-term care cost data to a JavaScript front-end application which successfully handled over 500,000 users.
- Deployed Web Services on AWS EKS (Elastic Kubernetes Service) Cluster, leveraging Terraform scripts to automate deployment of AWS EKS Cluster, EC2 instances, S3 buckets, IAM roles, and policies.
- Orchestrated secure and efficient data transfer from external vendors via SFTP to Amazon S3, and streamlined data pipelines from S3 to PostgreSQL database, enhancing data storage and retrieval processes.
- Monitored database performance and optimized SQL queries, which led to a 52% reduction in average query response time and utilized AWS Lambda to trigger the nightly refresh of data.

### Software Engineer

Jun 2021 – Aug 2022

*State Street Corporation*

*Hyderabad, India*

- Architected and managed REST-based Microservices for a banking client in Java J2EE using Spring Boot, Spring Data JPA, Reactive Spring, AWS, and improved timely delivery of notifications
- Migrated critical on-premise batches from Pro\*C to Java using Spring Boot, Spring Batch and Hibernate which resulted in 70% less execution time; thereby saving server running costs.
- Crafted a robust log management system by integrating Kafka with Splunk, creating custom dashboards and real-time alerts to detect and resolve irregular access patterns, significantly enhancing system security and operational efficiency.
- Devised and created a CI/CD pipeline using Git, Jenkins, and Kubernetes, reducing deployment time by 50% and ensuring faster delivery of features.

### Junior Software Engineer

Jul 2019 – May 2021

*DeMenew Tech Pvt Ltd*

*Hyderabad, India*

- Played a pivotal role in the development and enhancement of the Customer Service Portal, focusing on the Automated Customer Support System (ACSS), resulting in a 30% increase in user satisfaction and improvement in system functionality.
- Constructed front-end and back-end components from scratch using React and Spring, leveraging modern frameworks to achieve robust and scalable solutions, resulting in a 40% reduction in load times and increase in overall performance.
- Ensured thorough code quality and functionality by implementing JUnit and Mockito for comprehensive backend unit testing, achieving 95% code coverage and reducing critical bugs by 70%.
- Excelled in Release and Team Management, fostering collaboration across teams and contractors to ensure seamless project transitions and high-quality deliverables, leading to reduction in release cycle time and increase in team productivity.

## TECHNICAL SKILLS

<b>Core Expertise</b>	: Web Development, API Development, Database Management, Software Design, Testing, Agile Methodology
<b>Languages</b>	: Java, Python, JavaScript, SQL, C, C++, HTML, CSS
<b>Databases</b>	: PostgreSQL, MySQL, OracleSQL, MS SQL Server, Amazon RDS, DynamoDB, MongoDB, Cassandra
<b>Cloud</b>	: AWS(EC2, S3, Lambda, IAM, EKS, CloudWatch, VPC), Azure, Docker, Kubernetes, Terraform, Redshift
<b>Frameworks</b>	: Spring Boot, Spring, Junit, Mockito, Flask, Django, Hibernate, JPA, React, Angular, Bootstrap, Scrum
<b>Tools</b>	: Git, Github, Maven, Jenkins, Splunk, Jira, Apache Kafka, New Relic, UDeploy, Redis, Tableau, Excel

## EDUCATION

### University at Buffalo, The State University of New York

Buffalo, NY

*Master Degree, Computer Science and Information Systems*

*Aug 2022 - Feb 2024*

### Sri Venkateswara University

Tirupati, India

*Bachelor Degree, Computer Science and Engineering*

*Jul 2017 - Jun 2021*

## PROJECTS

### Exam Study Tool

Jun 2023 – Dec 2023

- Engineered the back-end of a state-of-the-art multilingual exam preparation platform using Java and Spring Boot, hosted on AWS EC2 and utilized AWS S3 for storage. Integrated Google OAuth for authentication, managed data with AWS RDS.
- Implemented AWS Elastic IP and incorporated MathJax for precise representation of mathematical notations.

### Urologic Healthcare Platform

Jan 2023 – May 2023

- Leveraged React.js for the front-end, providing responsive user interface for patients and doctors.
- Employed Spring Boot to build robust and scalable back-end services, facilitating seamless communication between the portal's front-end and the database.

## CERTIFICATIONS

### AWS Solutions Architect Associate- Amazon

*Issued Apr 2024 - Expires Apr 2027*

### Java SE 8 Programmer Associate- Oracle

*Issued Mar 2024 - Expires Mar 2034*