

SHIVA ANAND GOGULA

Software Engineer

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PROFESSIONAL SUMMARY

Software Engineer with 4+ years of experience delivering robust, scalable, and high-performance solutions across the full software development lifecycle. Skilled in coding, unit testing, CI/CD, DevOps, solution design, and Agile delivery processes. Adept at implementing well-tested, risk-managed, and user-centric solutions with clear, compliant interfaces across architectural layers. Proven expertise in analytical thinking, technical strategy development, automation, and continuous improvement practices.

SKILLS

Programming Languages: Java (SE/EE 8/11/17), JavaScript, TypeScript, Python, SQL, PL/SQL, HTML5, CSS3, XML, C++

Frameworks/Tools: Spring Boot, Spring MVC/Security/ORM, Hibernate, React.js, RESTful APIs, Microservices, Kafka, JMS, Node.js

Cloud & DevOps: AWS (EC2, S3, RDS, Lambda), Docker, Kubernetes, Jenkins, CI/CD, Git, Cron, Apache Tomcat

Databases: Oracle, PostgreSQL, MySQL, MongoDB, JDBC, Stored Procedures

Practices: Agile/Scrum, Solution Design, Architecture Patterns, Risk Management, Test Engineering, TDD, Story Refinement, Automation, Proof-of-Concepts, Performance Optimization, User Experience Design

PROFESSIONAL EXPERIENCE

NEW YORK STATE, OFFICE OF INFORMATION TECHNOLOGY SERVICES

Albany, NY

Information Technology Specialist 2 - NYS HESC

May 2025 - Present

- Developed and unit-tested RESTful APIs in Java/Spring Boot aligned with acceptance criteria, compliance, and integration standards.
- Authored BRDs and TDDs, defined stories, and estimated work for Agile sprints, improving delivery by 25%.
- Improved SQL performance by 35%, collaborated on containerized deployments, and contributed to automated test suites to improve reliability

NEW YORK STATE, DEPARTMENT OF HEALTH

Albany, NY

Student Assistant

Aug 2024 - May 2025

- Optimized PL/SQL and UNIX pipelines, reducing large-scale data processing runtimes by 90%.
- Migrated static HTML dashboards to interactive React.js visualizations for real-time analytics.
- Collaborated with epidemiologists to convert complex requirements into scalable Java-based modules, improving accuracy by 45%.

INFOSYS LIMITED (CLIENT: MERCEDES-BENZ JAPAN)

Remote

Java Developer

March 2021- July 2023

- Developed and unit-tested Kafka-based Spring Boot middleware applications with clear, well-tested interfaces, deployed via Docker/Kubernetes, increasing throughput by 30%.
- Contributed to solution design by modernizing application architecture, migrating stacks to Tomcat/PostgreSQL, and reducing costs by \$15K/year.
- Implemented Jenkins CI/CD pipelines, automated job scheduling, and monitoring bots to reduce manual effort by 99% and mitigate risk.
- Led proof-of-concept for in-house scheduler (Quartz) replacing licensed product, delivering a risk-managed, cost-saving solution.
- Mentored junior developers in coding best practices, test engineering, and Agile story delivery, improving team productivity by 35%.
- Redesigned legacy Struts/JSP-based UI into React.js for improved user experience and deployed on AWS EC2.

VSB INFRA

Full Stack Web Developer

Hyderabad, India

June 2020 – February 2021

- Designed and delivered a responsive web platform using React.js and RESTful Java backend, improving performance and usability by 60%.
- Applied optimization techniques (code minification, lazy loading) enhancing user experience and ensuring maintainability.

PROJECTS

Dice Jobs Tracker Tool

- Developed and deployed a Java-based tracker on AWS EC2 with cron jobs, delivering hourly job alerts via email to subscribers.
- Implemented subscription management for user opt-in/out preferences, following robust design and test practices.
Technologies: Java, Spring Boot, Maven, React.js, Cron, AWS EC2

EDUCATION

UNIVERSITY AT ALBANY – STATE UNIVERSITY OF NEW YORK

Albany, NY

Master of Science, Data Science – CGPA: 3.7/4.0

May 2025

Relevant Coursework: Applied Statistics, Topological Data Analytics, Modern Computing for Mathematics

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

Hyderabad, India

Bachelor of Technology, Computer Science

May 2020

Relevant Coursework: Data Structures, Object-Oriented Programming, Database Management, Web Technologies