

# Divya Gariga

Linkedin Github Portfolio

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## SUMMARY

Driven Software Engineer with 2.5+ years of experience designing and building scalable, customer-focused web applications using Java, React, and AWS. Skilled in full-stack development, distributed systems, and relational databases. Passionate about leveraging technical expertise to create high-impact products that enhance user experiences.

## SKILLS & CERTIFICATIONS

- **Languages:** Java, Python, JavaScript, TypeScript
- **Frameworks & Tools:** Spring Boot, React, Redux, Node.js, RESTful APIs, Maven, Docker, Kubernetes
- **Cloud Technologies:** AWS (EC2, S3, Lambda, RDS)
- **Databases:** MySQL, PostgreSQL, Hibernate, JPA
- **Development Practices:** Agile, TDD, CI/CD, Unit Testing, Design Patterns
- **Certifications:** AWS Certified Cloud Practitioner

## EXPERIENCE

- **Zemoso Technologies** Hyderabad, India  
*Software Engineer - 1* January 2022 - December 2023
  - Designed and developed 30+ reusable, scalable components using Java and React with Atomic Architecture, reducing development cycles by 25% and enhancing maintainability.
  - Built and integrated RESTful APIs with Spring Boot in a distributed computing environment, improving system efficiency and reducing latency by 20%.
  - Leveraged AWS (EC2, S3, Lambda) and Docker to deploy fault-tolerant applications, ensuring seamless scalability and performance.
  - Automated SDK documentation generation across Java, Python, and Node.js, cutting manual effort by 50% and enabling rapid feature delivery.
  - Applied TDD and unit testing (JUnit, Cypress) to ensure high-quality, secure code in an agile environment.
  - Optimized PostgreSQL queries and schemas for large-scale distributed systems, enhancing data retrieval speed and reliability.
  - Collaborated with cross-functional teams to define and refine requirements, demonstrating ability to handle ambiguity and deliver customer-focused solutions.
- **ADP** Hyderabad, India  
*Member Technical* August 2021 - January 2022
  - Handled automating of report generation, of monthly pay summary reports that include employee earnings, deductions, and net pay using RESTful API design.
  - Developed and optimized backend logic using Java and Spring Boot, achieving a 20% performance boost and 25% reduction in memory usage through efficient code enhancements and version upgrades.
  - Built and enhanced frontend features with React, Node.js, and CSS, collaborated with UX designers to modernize the application interface and elevate user satisfaction.
  - Enhanced API documentation using Swagger to improve clarity and streamline frontend-backend communication.
  - Refactored code and added unit tests using Jest, Cypress.
  - Articulated technical challenges and solutions during team meetings, contributing to effective problem-solving and decision-making.
- **Nagarro** Hyderabad, India  
*Software Engineering Intern* April 2021 - June 2021
  - Contributed to the design and implementation of scalable microservices using Java, Spring Boot, and AWS, ensuring security with OAuth.
  - Participated in agile sprints, code reviews, and testing to deliver reliable software.
  - Gained hands-on experience with distributed systems and relational databases, enhancing technical skills in a real-world setting.

## PROJECTS

- **POS (Point of Sale) Web Application:** Built a scalable POS system using React, Spring Boot, and AWS RDS, featuring real-time inventory tracking and a microservices architecture for fault-tolerance and performance.
- **Job Scheduler:** Developed a multi-threaded job scheduler that integrates a dynamic queue with a dedicated job manager thread to continuously monitor and execute pending tasks, enhancing concurrent processing capabilities. Engineered the job execution pipeline using `fork()` and `execvp()`, which effectively spawns child processes for job execution while redirecting output and error streams to individual log files.
- **Background Check Application:** Developed a responsive web app with React and Spring Boot to streamline employer background checks, integrating distributed data sources for accurate reporting.
- **Image-Based Attendance System:** Created a Python/Flask-based web app with face recognition to automate attendance, optimizing algorithms for scalability and speed.

## EDUCATION

- **University of Alabama at Birmingham** Birmingham, AL  
*M.S. in Computer Science (Expected May 2025)* January 2024 - Present
  - Relevant Coursework: Distributed Systems, Systems programming, Database Systems