

# DHEERAJ REDDY

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## EXPERIENCE

### RAKUTEN INDIA – Bengaluru, Karnataka

Dec 2021 – Jul 2022

#### Software Developer

- Developed intuitive and responsive components using React and CSS for a ticketing system, enhancing user experiences.
- Collaborated with the backend team to optimize database operations, reducing website load times by 30% through efficient use of Python, SQLAlchemy, and MongoDB. Spring Framework, Java, Secure Authentication.
- Implemented robust user authentication protocols, increasing website security and user data protection, resulting in a 25% increase in user trust and confidence.
- Engaged in Agile development methodologies, contributing to a 20% improvement in project delivery times through effective teamwork and steady project progress.
- Integrated CI/CD with Jenkins and GitHub Actions, accelerating release cycles by 40%.
- Utilized AWS (IAM, EC2, S3, RDS) to reduce operational costs by 35% and achieve 99.9% system availability.

### NCR Corporation– Hyderabad, Telangana

Oct 2019 – Dec 2021

#### Software Developer

- Streamlined cross-platform device management software using Java/JavaFX, Python, and React for UI enhancing device firmware updates and configuration for over 1,000+ devices globally.
- Orchestrated release cycles with Jira and CI/CD, ensuring on-time, high-quality software releases. Integrated React components for creating user-friendly interfaces.
- Pioneered the implementation of Device Configuration and Log Collector tools, elevating device administration and troubleshooting capabilities, reducing resolution time by 40%.
- Conducted exhaustive testing and integrated continuous feedback, employing React for front-end enhancements, fostering ongoing product improvement.
- Enhanced user engagement by seamlessly integrating real-time notifications and messages via webhooks and web sockets, boosting user interaction by 30%.

## PROJECTS

### ❖ Monstograin - Monitoring and storage of food grains: IoT, Machine Learning, Python, ReactJS, NodeJS - (Oct 2020)

- Spearheaded the development and implementation of Monstograin, an IoT solution for monitoring food grain storage conditions, including temperature, CO2, and humidity.
- Utilized machine learning algorithms for early spoilage detection and accurate spoilage predictions, resulting in a 25% reduction in food waste.
- Contributed to the filing of a patent application (No:202041049928 A) for this innovative technology.

### ❖ E-commerce Development for Local Artisans: AWS (EC2, S3, RDS, WAF, IAM), HTTPS, Real-time Communication – (Dec 2022)

- Developed an e-commerce platform for local artisans, optimizing user experience and sales through AWS cloud infrastructure and real-time communication features.
- Achieved 99.9% uptime with AWS auto-scaling and reduced security incidents by 30% with HTTPS, AWS WAF, and IAM.

### ❖ Online Bookstore Management System Development: Spring Framework, Java, Secure Authentication – (Jan 2023)

- Used Spring Framework and Java to engineer a secure online bookstore's backend, streamlining inventory management and sales. Achieved a 40% increase in transaction speed and a 50% reduction in unauthorized access through Spring Security and Spring Data integrations.

## EDUCATION

### University Of Central Missouri – Warrensburg, MO

Dec 2023/ GPA:3.7

Master of Science in Computer Science

**Relevant Coursework:** Advanced Algorithms, Machine Learning and Data Analysis, Cloud Computing, DBMS.

## SKILLS:

**Technical Skills:** Proficient in SQL, Python, JavaScript, HTML/CSS, Java, ReactJS, PostgreSQL, MongoDB, NodeJS.

**Libraries/Frameworks:** Git, Docker, TensorFlow, Flask, Django, Pandas, NumPy, Spring, Spring Boot, Spring MVC, React.

**DevOps & CI/CD:** Jenkins, GitHub Actions, AWS CI/CD tools, Docker containerization.

**Agile Methodologies:** Experienced in Agile development practices for improved project delivery.

**AWS Skills:** Skilled in using S3, EC2, RDS, DynamoDB, Lambda, EC2 Auto Scaling, SNS, IAM, VPC, SQS, CloudWatch.

**Certifications & Training:** PCAP - Programming Essentials in Python (Cisco), AWS Certified Cloud Practitioner, AWS Certified Developer – Associate