Chiranjeevi Medam

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EDUCATION

Master of Science, Software Engineering Aug 2022 - May 2024
San Jose State University, San Jose, CA, USA
- Enterprise Software Platforms, Enterprise Distributed Systems, Data Mining, Enterprise Application Development
- CGPA : 3.9 / 4.0

Bachelor of Technology, Computer Science Aug 2016 - May 2020
PES University, Bangalore, Karnataka, India
- Data Structures, Web Technologies, Computer Networks & Security, Operating Systems, Big Data, Artificial Intelligence, Machine Learning, Cloud Computing
- CGPA :- 3.6 /10

TECHNICAL SKILLS

- Programming Languages: Python, C, C++, Java, JavaScript, NodeJs, ExpressJs, ReactJs, HTML, CSS, MySQL
- Software/Technologies: Flask, MongoDB, PostgreSQL, Docker, JSON, AWS, GCP, GITHUB, Springboot, Wireshark
- Operating systems: Windows, Linux/Unix

CERTIFICATIONS

- Appian Associate Developer Certification (Oct 2021 - Mar 2023)

EXPERIENCE

Associate Application Developer, Novartis healthcare Pvt. Ltd, Hyderabad, India Jan 2020 - Jul 2022
- Designed and built five technical solutions on the Appian BPM Suite based on business requirements.
- Maintained MySQL database, maintenance routes and safeguards to increase database performance.
- Developed REST APIs in Python utilizing Flask and hosted on AWS environment.
- Integrated Appian with external systems using APIs from "Automation Anywhere" to launch bots in third party apps.
- Implemented Java plug-in in Appian platform by extracting comments from word document using Apache POI library.
- Administered the Appian environment's version control and handled six upgrade cycles.
- Managed installation of MariaDB and migration from MYSQL to MariaDB in Appian environment.

Software Engineer Intern, Global Payments Inc, Alpharetta, Georgia Jun 2023 - Aug 2023
- Created a web application using Spring Boot and ReactJS for secure data migration from on-premise to cloud.
- Implemented encryption and tokenization mechanisms for sensitive information within the database.
- Enhanced performance by 60% through effective utilization of thread-based parallel processing techniques.
- Utilized connection pooling and caching to minimize database calls ensuring efficient utilization of database resources.
- Integrated with Kafka-based alert management system to provide real-time updates to users about request statuses.
- Software/Tools: ReactJs, Spring Boot, MSSQL, Oracle DB, HTML, CSS, Jenkins, Docker, AWS, Jira, Bitbucket.

PROJECT EXPERIENCE

Event Organisation Application, San Jose State University Aug 2022 - Dec 2022
- Led a team of three students to build a website that tracks endangered animals and helps organize social events.
- Implemented discussion forum in application enabling 80 concurrent activists to start a conversation.
- Software/Tools: ReactJs, NodeJs, ExpressJs, MongoDB, Netlify, Render, ChakraUI, Github.

Matrix Reloaded, San Jose State University Aug 2022 - Dec 2022
- Designed and constructed a true peer-to-peer application to reduce cost of matrix multiplication by 50% through distribution of computations across several peers utilizing strassen's algorithm.
- The system resulted in reduction of time by 45% for matrices of size 100X100 or more against traditional approach.
- Added seven visualizations to monitor peer performance and to aid users with visibility about active peers.
- Software/Tools: Python (Socket Programming), Docker, ReactJS, ChartJs, MaterialUI, AWS EC2, HTML, CSS, Bootstrap.

AWARDS/ACHIEVEMENTS

- STAR performer of year: Received recognition among 400 employees at Novartis for overall contribution.
- Received eAvishkar Award at Novartis for innovation in "Serial Product Tracking System" project among 30 teams.