

Dheeraj Reddy Kukkala

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EXPERIENCE

Software Engineer

Mar 2024 - Present

Croyance

Remote

- Designed and implemented RESTful API microservices using Java and Spring Boot, enhancing system efficiency by 30%. Utilized GraphQL for creating efficient and flexible APIs, improving data retrieval for client applications
- Deployed scalable microservices on AWS EC2 using Docker and Kubernetes, achieving a 40% improvement in deployment speed. Integrated Kafka for real-time data processing, enhancing system responsiveness and scalability

Software Engineering Intern

Sep 2023 - Dec 2023

Rochester Institute of Technology

Rochester, NY

- Achieved a 40% increase in campus dining service efficiency and improved customer satisfaction with strategic adjustments
- Implemented ETL processes using Microsoft Fabric, Power Query, and PowerBI for seamless data integration and visualization, reducing manual data handling efforts by 40%
- Developed and implemented efficient data analysis algorithms using PySpark Python and SQL, resulting in a 20% reduction in data processing time and a 25% increase in analytical accuracy

Software Engineering Intern

Jun 2022 - Aug 2022

Excellus BCBS

Rochester, NY

- Contributed to the development of dynamic web and mobile applications, utilizing Java for server-side logic and React.js for responsive front-end functionality, driving improvements in user experience and system performance
- Involved in iterative development cycles and sprint reviews, employing Agile methodologies to rapidly prototype
- Supported (CI/CD) pipelines using GitLab CI and containerization with Docker, facilitating smoother deployment

Software Engineer

Jan 2019 - Apr 2021

MAQSoftware

Hyderabad, India

- Spearheaded the development and integration of 20+ interactive user forms in Dynamics 365 using PowerApps Portals, significantly enhancing customer experience by streamlining request submissions and support processes
- Incorporated JavaScript for custom client-side scripting and Azure DevOps for deployment and test case management, leading to a 30% improvement in response times for customer inquiries
- Employed Agile methodologies to ensure rapid development cycles and effective cross-functional team collaboration, optimizing form usability and backend integration

EDUCATION

Rochester Institute of Technology

Rochester, NY

Master of Science, Computer Science (Big Data Analytics specialization)

Aug 2021 - Dec 2023

Manipal Institute of Technology

Manipal, India

Bachelor of Computer Science

Aug 2015 - Jun 2019

TECHNICAL SKILLS

Programming Languages: Python, Java, C, C++, JavaScript, TypeScript, HTML, CSS

Web Development Frameworks: Spring Boot, React.js, Next.js, FastAPI, RESTful web services

IDEs and Version Control Tools: PyCharm, IntelliJ, Eclipse, Visual Studio Code, Git, Gradle, Maven

Database: SQL (SQL Server, MySQL, OracleDB), NoSQL (MongoDB, Neo4J)

Other Tools: Microsoft Azure, Fabric, Power Automate, Power Query, PowerBI, SSIS, SSAS, DataBricks, ArcGIS

Coursework: Algorithms, Big Data, Object Oriented Programming, Artificial Intelligence, DSA, Distributed Systems

PROJECTS

Pub-Sub Model | *Python, Docker*

- Created a highly scalable publish-subscribe messaging model using Docker, enabling seamless real-time communication and enhancing system reliability, resulting in a 30% reduction in response time

Movie Reviews App | *React, Spring Boot, MongoDB*

- Developed a full-stack application for browsing and reviewing movies, using React for the front and Spring Boot for the back
- Implemented RESTful APIs to manage movies and reviews, enabling users to submit and view movie reviews
- Integrated MongoDB for efficient data storage and retrieval, supporting dynamic and scalable data models

Craigslist Search | *MongoDB, FastAPI, Python, HTML, and JavaScript*

- Built a web application enabling users to search for cars on Craigslist by manufacturer or proximity (5km radius)
- Processed and stored data for over 5K+ vehicles, significantly improving search efficiency and user experience