

Dheeraj Reddy Kukkala

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EXPERIENCE

Software Engineer

Mar 2024 - Present

Croyance

Orlando, FL

- 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 60%
- Developed and implemented efficient data analysis algorithms using **PySpark Python** and **SQL**, resulting in a 50% 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

Languages: Python, Java, CSS, HTML, JavaScript, NodeJS, C++, XML, ReactJS, NextJS, C#, .NET

Database: SQL Server, MySQL, MongoDB, Neo4J, H-2 Database, M Query, DAX Query

Data Tools: Azure DataBricks, Azure Data Factory, Power Query, Cosmos DB, PowerBI, SSIS, SSAS, Apache Spark, Kafka

Other Tools: SharePoint, Dynamics 365, ArcGIS, Git, Docker, Power Automate, Microsoft Fabric, Git, SNOW

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

Multi Person Video Conferencing Application | *Python, OpenCV*

- Created a multi-person video conferencing application to enable communication between multiple users simultaneously
- Leveraged Client-Server architecture along with multi-threading to stream video data across 4 clients

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