

Julius Dsouza

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Experience

Apple

California, USA

Software Engineer

January 2024 - Present

- Engineered and led the development of several projects for the Apple Store and Apple Home applications on WeChat using React.js, Redux, TypeScript, Sass, and the WeChat mini-program framework.
- Led the migration of a large-scale application from Webpack to Vite, achieving a reduction in build time and a 20% optimization in production bundle size, while enhancing application performance and developer efficiency.
- Leveraged Jest and Storybook to boost test coverage by 20%, and integrated Adobe Analytics, increasing data accuracy for marketing decisions by 25% through detailed event tracking and user behavior analysis for multiple applications.
- Orchestrated and refined dynamic server-side templates with Java and the Apache Velocity Template Engine, to generate custom, data-driven content for various user flows.

Centene Corporation

California, USA

Application Development Engineer 1

October 2023 - December 2023

- Led the development of a log monitoring and analytics feature for the AmBetter Mobile App, to accelerate real-time troubleshooting. Achieved a 40% reduction in incident resolution time and deployed using AWS Lambda to store logs in an S3 bucket.
- Collaborated with the design team to build a unified UI design system by developing a complete framework of reusable CSS styles and by creating modular React Native components using gluestack-ui, which streamlined the development and ensured a consistent design across several applications.

Abbott Laboratories

California, USA

Software Engineer

April 2023 - October 2023

- Devised UI features for Lingo, a cross-platform application using React Native and TypeScript, and conducted automated testing with Jest and Appium, resulting in a 25% reduction in crashes and enhanced user experience.
- Designed and implemented REST and GraphQL APIs to optimize query mechanisms for a sensor monitoring dashboard, decreasing data retrieval time and enabling faster access to key product metrics.
- Enhanced data precision by integrating Adobe Analytics with the Lingo app, resulting in a 40% increase in data accuracy, and informed data-driven decision-making.

National Basketball Association

New York, USA

Software Engineer Intern

June 2022 - August 2022

- Engineered a bug reporting tool for the NBA Application for Smart TVs using the Azure DevOps REST API, and streamlined the reporting process, leading to a 30% reduction in operational overhead and improving issue resolution efficiency.
- Constructed UI components using Next.js and React.js for the NBA App, enabled personalized content, and push notifications.

KPMG

Bengaluru, India

Analyst

July 2018 - August 2020

- Spearheaded the development of a video library portal for the Digital Automation team, driving a 12% increase in monthly active user engagements across 14 cities.
- Built a MERN stack web application and integrated an Object Detection Model to extract details from purchase and sales receipts, achieving a 38% reduction in duplicate and incorrect entries, and improved data accuracy.
- Collaborated with HR to create interactive walkthroughs and custom task lists for an onboarding application, resulting in a 27% reduction in onboarding time for new employees.
- Actively participated in Machine Learning projects by assisting in data pre-processing, model training, and evaluation, contributing to the development of accurate predictive models and achieving a 15% improvement in prediction accuracy.

Honeywell Technology Solutions

Bengaluru, India

Software Development Intern

January 2018 - June 2018

- Created a visually engaging landing page for the Digital Technology Team, incorporating interactive elements, resulting in a 23% increase in conversion rate, and a 55% click-through rate.
- Streamlined the vendor purchase tracking process with a real-time expense visibility web application, achieving a 19% reduction in overhead costs, and improved overall efficiency.
- Developed custom data pipelines with Python, Pandas, and Apache Airflow, automating data extraction and transformation processes, reducing data preparation time by 35%.

Education

New York University

New York, USA

MSc in Computer Engineering

January 2021 - December 2022

- Lead Teaching Assistant for "CS-GY 9053: Intro to Java"
- **Courses:** Machine Learning, Deep Learning, Machine Learning in Cyber Security, Network Security, Data Engineering, Internet Architecture and Protocols, Java

Manipal Academy of Higher Education

Karnataka, India

BTech in Computer Science

August 2014 - May 2018

- Minored in Intelligent Systems
- President of MIT Student Research Forum
- Member of Rotaract

Skills

Programming Languages	Python, Java, C, JavaScript(ES6), TypeScript, SQL, Bash, Swift
Web Development Stack	React.js, React Native, Node.js, Next.js, Django, Flask, Express.js, HTML, CSS, Jest, Selenium
Technologies	Git, AWS, Azure, Docker, Spring, MongoDB, MySQL, PostgreSQL, CI/CD, Apache Velocity
Machine Learning Libraries	TensorFlow, Pytorch