

DEXSON DSOUZA

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WORK EXPERIENCE

Full Stack Developer, Healthcare Financial Inc, Boston, MA, March 2023 - Present

- Integrated and implemented DocuSign APIs, empowering Member Associates (MAs) to efficiently send healthcare documents to around 10k customers every week
- Architected database schema in Postgres DB, 5 APIs in Node and frontend components in Vue to handle Outbound Faxes in MTrack Application
- Built a comprehensive Dashboard page, utilizing Vue 3 and Typescript to provide managers with statistics into user activities, facilitating decision-making and resource allocation
- Designed REST APIs leveraging Express and Node, deployed the Backend Server with Pm2 and Linux, enabling storage and retrieval of approximately 100k files associated with specific cases
- Refactored 1000's of code blocks and created unit tests using Mocha and Chai and API tests with Supertest to ensure code functionality and maximize code coverage
- Successfully designed and implemented a robust CI/CD pipeline using GitHub Actions, automating the build, test, and deployment processes

Software Development Engineer Intern, Walmart Inc, Bentonville, Arkansas, June 2022 - August 2022

- Engineered High Performance ETL pipeline using Kafka, Spark and Google Cloud Dataproc to extract changes from Cassandra Database efficiently every 30 minutes
- Built Technical solution and scalable scripts leveraging Java to read data from 3 Kafka topics into the Google Cloud Storage

Software Engineer, Infinite Computing Systems, Mumbai, India, July 2019 - July 2021

- Engaged in Full stack development of Alpha 365 product and integration with CRM application leveraging technologies such as Angular 8, Node 14, MySQL and Typescript
- Designed Database schema and RESTful APIs for 5 projects using Express, Node and MSSQL
- Introduced a new option to locate Work Orders (Bing Maps) reducing cost by 30 %

TECHNICAL PROJECTS

Anastocare (Patient Monitor System) : react, spring boot, postgres, aws s3, aws ec2, February 2022

- Led a team of 5 to develop a full stack Web application and Apple Watch application used by doctors to monitor patients
- Devised 3 features such as Watch Health Data Synchronization, Health Questionnaire and Patient Score Generator

Leave and Attendance Portal: angular, typescript, javascript, node, express, mysql, November 2020

- Introduced features to supervise Leaves, generate monthly report, HR policies and manage Teams
- Implemented around 15 RESTful APIs, JWT authorization, Active Directory Synchronization, Session Management, Email and Push notifications

Image Finder: react, spring Boot, junit, jsoup, html, javascript, August 2019

- Managed a team of 3 to create a Web Crawler to parse out all images from a web page and from its 15 sub-pages when user inputs a URL
- Developed a Multi-threaded architecture to crawl sub-pages to improve API response time by 80%
- Devised 10 Junit tests cases to maintain high code quality

EDUCATION

Masters of Science in Computer Science, February 2023

University at Buffalo, The State University of New York

Bachelor of Engineering in Information Technology, August 2019

Mumbai University

SKILLS & TOOLS

Languages: Java, Javascript, Python, Typescript

Data Management & Analytics: MySQL, SQLite, Mongo, PostgreSQL, Cassandra

Web Development: Node, Express, Angular, Vue, React, Spring Boot, HTML/CSS, Jsoup, JPA

Tools: Git version control, Jira, Spark, Kafka, AWS (EC2, S3), GCP (Big Query, Dataproc, Cloud Storage)