

# 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 Application with Pm2, Nginx and Linux Server, 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
- Conducted code reviews to enhance code quality and maintain coding standards, performed static scans using ESLint resulting in improved consistency of codebase

### **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)