# Sreeram Charagundla
Software Engineer

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## Skills

**Programming Languages**: Java | Python | JavaScript | Ruby | Go
**Frameworks**: Spring boot | Express JS | NodeJS | Angular | React
**Technologies**: Oracle SQL | PostgreSQL | MySQL | MongoDB | Redis | REST API | Dynatrace | GIT CLI | GitHub client | Postman | Stream processing using Kafka - ***All professional proficiency or above***

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## Experience

**Infosys** | Software Engineer                                    *Hyderabad, India | Jan 2021 - Dec 2022*
**Income Tax Portal:**
- Served as a Backend developer for the Tax Filing Portal, Government of India. Having over **950 million Taxpayers** in the country every year. I worked for the **pre-fill module**.
- Every taxpayer in the country upon logging in to the portal will have their personal information and also applicable tax fields as per business requirements filled already from the database.
- Implemented a Kafka mechanism that takes chunks of data from the DB and passes on to the Spring Boot application to perform computations and store everything in a JSON file to further show up on the portal.
- The Above approach needed enhancements such as faster computation of data. Hence, we built another Spring Batch Application that runs on **10,000 records of data every minute** rather than relying on Kafka to pull the records from the DB.

**Wanderlust Website:**
- Spearheaded the development of a website that lets users book travel packages. Client having a bunch of vacation destinations where users can book packages and manage bookings, avoiding date clashes etc. Used Full Stack technologies like **MEAN Stack** - MongoDB, Express JS, Angular, Node JS.

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## Education

**Northeastern University** | Master's in Computer Software Engineering     *Boston, MA | Jan 2023 -  Anticipated Dec 2024*
**Relevant Coursework**: Application Engineering, System Design, Data structures and Algorithms, Web Tools, Operating Systems, Big Data Applications and Indexing Techniques - **GPA**: 3.8

**GITAM University** | Bachelor's in Computer Science Engineering     *Hyderabad, India | 06.2016 - 11.2020*
**Relevant Coursework**: Database Management Systems, Operating Systems, Object Oriented Programming, DSA, Unix Programming, Open Source Systems, Compiler Design - **GPA**: 3.7

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## Projects

### Inventory Management System for Retail Business
Developed an interesting full stack project using Spring Boot, react and SQL Server enabling retail business manage their inventory, update stock using CRUD operations to manage orders

### Portal for Thalassemia donors
Thalassemia is a blood disease affecting 1 in 100,000 individuals. However, most deaths occur due to lack of blood donor availability at the right time. I built a portal that brings donors, doctors and patients under a platform to help coordinate better

### Jewelry Augmentation using Object Detection
An E-Commerce utility that helps users to try on a necklace virtually in real time. Accuracy - 98% and uses Convolutional Neural Networks to detect facial features of a person. Identifying the ROI and augmenting the jewelry using  Numpy and CV2