G SUNIL

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WORK EXPERIENCE (2.7+ YOE)

Full Stack Software Developer - Climate Connect Digital Oct 2022 - Present

- Implemented RESTful APIs using **Node.js, Java, Spring-Boot, GCP**, and **Firebase Firestore** for carbonshop team **CRUD** operations. Ensured high efficiency and scalability solution.
- Developed and integrated an **Add to Basket** feature using **React.js** and **Next.js** allowing users to easily select and purchase carbon projects as part of a comprehensive e-commerce solution, resulting in a **15% increase in sales** and improved user engagement
- Created **tables for efficiently displaying** carbon-related project data, utilizing React.js and Next.js to enable users to browse and compare projects within the application leading to a **30% increase in user satisfaction**.
- Designed and implemented role-specific **onboarding forms** using **React.js** and **Next.js**, significantly increasing user engagement on the platform, resulting in **10% boost in user interaction**.
- Worked on backend development to implement robust **API services** supporting the **onboarding forms, shopping cart, and data retrieval features.**
- Developed RESTful APIs for **CRUD** operations for offsetmax from **scratch**, utilizing **Python**, **AWS chalice**, **GraphQL** and **MongoDB** to create efficient and scalable solutions.
- Implemented **AWS chalice** to create serverless APIs, which reduces infrastructure costs by **30%**
- Designed and implemented an **email template** for new user registration, resulting in a streamlined user experience and a **20 %** increase in new user sign-ups
- Implemented Socket.IO to enable real-time communication in a room where multiple users communicatein each carbon project, utilizing **Node.js** and **Express.js**
- Performed **stress testing** of the product to ensure its stablity and reliablity under high loads, utilizing the artillery tool to simulate **thousands of concurrent users** and requests.
- Tech Stack/Tools **Node.js, React.js, Next.js, Express.js, Java, Python, JavaScript, TypeScript, Jest, Google Cloud, AWS-Chalice, Firebase-FireStore, MongoDB, JIRA, Git-GitHub, VS-Code**.

Software Engineer - Larsen and Toubro Infotech, MSCI ESG August 2021 - Sept 2022

- Implementation of **Backend Restful API microservices** for droplets feature of ESG application using **Java, Maven, Apache, Spring-Boot, PostgreSQL, Jenkins**
- Collaborated with a cross-functional team to design, develop, and maintain Restful API microservices for the **Droplets** feature in the **ESG application**, ensuring seamless data exchange, scalability, and high performance.
- Developed **a file compare utility using Python** and deploying it on the cloud. This innovative solution saved **3 - 4 hours** of manual file comparison work for approximately 100 files, significantly increasing productivity and reducing errors.
- Enhanced the quality of the ESG application by spearheading complete **UI automation** testing. Leveraged **Spring Boot, Selenium, Cucumber** framework to create comprehensive test suites, ensuring the reliability and accuracy of the application.
- Automated the test reporting process, resulting in the automatic generation of detailed **test reports with every new deployment**. This streamlined approach provided real-time insights into application performance and issues, enabling faster and more informed decision-making.
- Tech Stack/Tools **Java, Spring Boot, Python, Django, PostgreSQL, Html & CSS**

EDUCATION

Bachelor of Engineering (B.E) in Computer Science 2017 - 2021
St Joseph Engineering College, Mangaluru.
Aggregate *CGPA:* 8.8/10

PERSONAL PROJECTS

Blog Backend Application [GitHub]   April 2022
- Implemented all the backend REST API's services required for blog application using **Spring-Boot,Spring Security, Spring Data JPA(Hibernate), MySQL Database, Swagger UI**
- Implemented **Pagination - Sorting, Exception Handling, authorized using JWT token**.

Droplets Application [GitHub]   Feb 2022
- It is a **micro** savings apps that identify small savings opportunities within your existing budget and automatically sweep money into a savings account.
- Developed **Backend RESTFUL API Microservices** such as user microservice, create goal microservice and transaction microservice using **Java, Maven, Spring-Boot, PostgreSQL**

LinkedIn Referral Connect [GitHub] [VideoLink]   Feb 2022
- Its such painful job of **sending same referral message to multiple persons** through connection requests, while you are looking out for new job.
- Developed a custom script to **automate the process of sending personalized connection requests** to multiple professionals at target companies on LinkedIn.
- Implemented using **Python, Chromedriver, Selenium, UI - Automation**

Instagram Clone [GitHub] [Link] [VideoLink]   July 2021
- Created a **social media** application with features like **Send Direct messages, Create Post, Comment on Post, Update Post, profile** and other basic features.
- Implemented using **Django,HTML and CSS, Bootstrap, SQLite**.

CS Department Blog [GitHub] [Link]   Dec 2020
- Developed blog with **post categories, search, comments, reset-password** using E-mail.
- Blogs posted by students will be filtered by team using admin dashboard.
- Implemented using **Django, HTML, CSS, Bootstrap, Tiny-MCE rich-text editor**.

Todo App [GitHub] [Link]   April 2023
- Developed **a task management application using React.js and Node.js**, supported by MongoDB, facilitating efficient task tracking and management.
- Created an intuitive **user interface with React.js** for seamless task handling, while **Node.js and MongoDB** ensured robust backend functionality and data storage.

MI Clone App [GitHub] [Link]   June 2023
- Implemented **a MI Store replica using React.js** as a practical learning project, honing skills in component-based architecture, state management, and responsive web design.
- Leveraged **React.js to efficiently display products** by passing JSON data as props, showcasing a practical understanding of component-based architecture and data-driven rendering.

SKILLS

- *Programming Languages:* **JavaScript, Java, Python**
- *Web Development:* **Node.js, Express.js, React.js, Next.js, Java, SpringBoot, Python, Django, Html & CSS**
- *Databases:* **PostgreSQL, MongoDB, Firebase and FireStore**
- *Cloud* : **Google Cloud Platform (GCP), Amazon Web Services (AWS)**
- *Others:* **RESTful APIs, GraphQL, AWS Chalice, Selenium, Cucumber framework, Jenkins, Swagger UI**
- *Courses and Certifications:* **Data Structures & Algorithms, Operating Systems, DBMS, Git&GitHub, Algorithm ToolBox - Coursera**