

SOURYADEEP BHATTACHARYA

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EXPERIENCE

Convegenius

Node Js Developer

Oct 2023 – Present

GandhiNagar, India

ORF (Oral Reading Fluency / Vachan Samiksha) Bot | [LINK](#) | [DEMO BY CEO TO WORLD BANK DIRECTOR OF EDUCATION](#)

- Developed **ORF Bot**, a **Speech Analysis Project** for assessing students' fluency, correcting words, identifying misspelled words, etc. using **NodeJS**
- Implemented **webhooks** to be called by our **AI model** after speech analysis.
- Reduced costs by 40%** by modifying our **Location Tracking Service** to track teachers taking assessments.
- Sent Data to **Redshift Data Warehouse** asynchronously using **AWS FireHose**.
- Utilized **JWT(JsonWebTokens)** for tokenizing data to send to our AI Model Service.
- Deployed service on **AWS Elastic Beanstalk**, ensuring robustness and scalability and managed service with over **8 lakh active users**.

GSQAC (Gujarat School Quality Accreditation Council) Bot

- Developed **GSQAC Bot** - A school quality inspection bot that involves **Government Issued School Inspectors** visiting schools for inspections and submitting data to be used by government officials.
- School Inspectors can take inspections over a variety of Domains and SubDomains, eg. Learning & Teaching, Use of Technology etc. and submit those inspections on the bot within a limited time frame.
- Designed Efficient **Database Schemas** using **AWS DYANMO DB** and **POSTGRES DB** to reduce data fetch latency.

Cognizant

Programmer Analyst

Sept 2021 – Sept 2023

Kolkata, India

- Enhanced **API** response latency by **20%** by implementing **Promises instead of Callbacks** and developed **Cart** feature for **client site** using **Node Js** and **MongoDB**
- Utilized **TypeScript** to ensure strict type enforcement and promote clean, scalable code in the project, configured **lints, prettier, folder structures, TypeScript configs, and Jest configs** for a Lambda service, ensuring consistent coding standards, maintainability, static typing, and reliable unit testing using Jest..
- Utilized **ReactJs, Context APIs, and Redux** with TypeScript to build stateful components.

PERSONAL PROJECTS

FAMICOM | [Full Stack Ecommerce Website](#) | [GITHUB](#) | [LINK 1](#) | [LINK 2](#) | [VIDEO DEMO](#)

- Developed a **fully authenticated full-stack** e-commerce website for buying clothes, using **ExpressJS** serving a **REST API** with **React** for the frontend
- Integrated Payment gateway with **PayPal**, used **Mongoose** to develop Schemas, Utilized **MongoDB** to store users, products and orders, Utilized **React-Bootstrap** to make professional frontend, Used **Bcrypt** to hash passwords before storing in DataBase, Used **JsonWebToken** for authorization of users,
- Tech used: **HTML, CSS, ReactJS, NodeJS, ExpressJS, MongoDB, REST API, JWT, Bcrypt**

ACHIEVEMENTS

- Rank 14,265** and among **Top 9.97%** on **Leetcode** ([LINK](#))
- Ranked among top **100 out of 1,67,000** in **HackWithInfy 2020** ([LINK](#))
- Ranked **2259** in **Google KickStart Round C** ([LINK](#))
- 930+ Data Structures and Algorithm** Problems solved

TECHNICAL SKILLS

Languages:	JavaScript, TypeScript, Java
Frontend Technologies:	React Js, TailWind, HTML5, CSS3
Backend Technologies:	Node Js, Express Js, PM2
Problem Solving:	Data Structures and Algorithms, Object Oriented Programming, System Design
Databases and Tools:	DynamoDB, Redshift, FireHose, MongoDB, Mongoose, SQL
Developer Tools:	Git, GitHub, VS Code, Eclipse, Windows