NARASIMHA SWAMY

+91 8143343373 | narasimha81433@gmail.com | CodeChef | Codeforces | Github | LinkedIn

WORK EXPERIENCE

IndiaMART   **Noida Sector 135, NCR**
Software Engineer   June 2023 - Present

- Spearheaded migration of the codebase from **PHP** to **GoLang**, delivering remarkable results with a staggering **97%** reduction in **CPU consumption** and a whopping **96.98%** decrease in average **memory usage**.
- Directed the overhaul of front-end functionality by migrating from **PHP** to **ReactJS**, which streamlined the development workflow and allowed for the implementation of new features; decreasing development time for new features by **30%**.
- Led the **WhatsApp** verification workflow to ensure seamless buyer requirements verification; that maintained a **98%** accuracy rate in capturing order specifications and quantities, enhancing order fulfilment.
- Authored the **Enquiry Consumer** in **Go**, leveraging **Kafka** topic data to auto-populate information, which came from enquiries generated by Buyer on the Indiamart platform thereby minimising agent involvement and associated costs by **16%**.

PROJECTS

SOCIAL MEDIA APPLICATION: Github Live

- Developed a **React** project utilising **MongoDB** as a database, delivering a responsive application tailored for different screen sizes.
- Developed user registration and Google-authenticated login features for enhancing user experience.
- Implemented state management solutions using **Hooks**, with improved data flow efficiency.
- Built a fully functional social media web app equipped with essential features such as liking, commenting, and deleting posts; facilitated a seamless user journey.

ECOMMERCE BACKEND APPLICATION: Github

- Designed a **Golang** e-commerce backend project providing essential 15 plus APIs for e-commerce operations.
- Implemented comprehensive user authentication, including secure Sign Up and login functionality.
- Created robust admin functionalities for adding, editing, and managing product inventory. supporting a catalogue of over 200 products.
- Enabled seamless product listing, advanced search capabilities, and cart functionalities.
- Configured and optimised **MongoDB** to handle high-traffic scenarios and ensure data integrity, supporting the scalability and reliability of the application.

CHATTING APPLICATION: Github Live

- Created a real-time chatting application using Socket.io, enabling communication for over 100 users at a time.
- Leveraged **Reactjs** for the frontend and **Nodejs** for the backend, ensuring efficient data exchange and seamless user experience.

EDUCATION

Indian Institute of Information Technology, Una (IIITU)   Una, Himachal Pradesh
Bachelor of Technology in Computer Science (CSE)   June 2019 - May 2023

TECHNICAL KNOWLEDGE

LANGUAGES: JavaScript, C++, C, Python, Golang

FRONT END DEVELOPMENT: Reactjs, HTML, CSS, JavaScript

BACKEND DEVELOPMENT: PHP, GoLang (Go), Node.js, Express.js

DATABASES: MongoDB, PostgreSQL, SQL

COURSES: Data Structures and Algorithms, Object Oriented Programming, Database Management Systems

ACHIEVEMENTS

Achieved the rank of **Specialist (max)** in Codeforces, demonstrating proficiency in CP.

Ranked 590th among 20,000 participants in the Codeforces Round 835 competition.

Solved over **170** problems on LeetCode, showcasing proficiency in algorithms and data structures.