Sloka Sawan

Software Engineer

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Skills

- **Languages**: C, C++, JavaScript, TypeScript, SQL, LaTeX
- **Programming Skills**: Data Structures, Algorithms, OOPs, Microservices
- **Frameworks**: Apache Kafka, NestJS, Jest
- **Tools**: Postman, Jenkins, DataDog, Grafana, ArgoCD, Redis, MongoDB, PostgreSQL, VSCode, Git/GitHub, Render, Vercel

Technical Experience

- **PHYSICSWALLAH** | Backend Developer | Noida   *Jun'23 - May'23*
    - Drafted the **Low Level Diagram** for 4 **PRD** and accomplished the required flow, including **Unit Testing**
    - Rectified the Juspay payment flow for over **1 million** pending transactions, introducing new APIs to handle all edge cases
    - Enhanced existing APIs by implementing **Redis** cache and improving the **Time Complexity**, thus reducing **p90 latency** from **500-600 milliseconds** to **25-30 milliseconds**, as observed via **DataDog, Grafana**
    - Designed and executed an **Invoice** template, streamlining purchase calculations for various package buying conditions, resulting in a **30% reduction** in processing time
    - Utilized an **SMS API**, automating invitation messages to students upon session booking, including the meeting link, resulting in a **50% increase** increase in session attendance
    - Pioneered new innovations, such as a **Payment landing page and enhancements to Cohort changes and Batches**, driving a **20% improvement** in user engagement metrics
    - Engineered a **Snooze** feature utilizing a **Linked List** concept, resulting in a **15% increase** in plan upgrades and user retention
    - Spearheaded initiatives focused on optimizing **Cohorts, Batches, Payment flow, and Batch-Scheduling**, resulting in a **25% enhancement** in overall platform efficiency
    - Technologies: **NodeJS, NestJs, Apache kafka, Jest, MongoDB, Redis, PostgreSQL, Jenkins, DataDog**
- **BUZZLE** | Web Developer Intern | Bangalore   *June'22 - Aug'22*
    - Integrated APIs and Payment Gateways for **over 100** Exclusive Live Events
    - Resolved Virtual Static Space issue with **socket.io**, boosting user engagement by **30%**
    - Achieved a **70% efficiency** rate in audio interaction during live collaboration
    - Technologies: **NodeJS, ReactJs, MongoDB, HTML/CSS, socket.io**
- **MADIEE GAME** | Web Developer Intern | Chennai   *Jul'21 - Aug'21*
    - Developed a multiplayer game inspired by the Wavelength board game, garnering **1,000+** downloads in its debut month
    - Crafted an engaging guessing game with **ReactCSSTransitionGroup**, boosting user interaction by **30%**
    - Created a Points Table with basic **OOPS** concept, enhancing user experience and boosting player retention by **20%**
    - Technologies: **NodeJS, ReactJs, MongoDB, HTML/CSS, socket.io, PeerJs**

Projects

- **IDENTITY-RECONCILIATION** | Github   *April'24 - April'24*
    - Increased customer satisfaction by reducing order processing time by 30%.
    - Improved data accuracy, resulting in a 20% decrease in order errors.
    - Enhanced customer retention by providing a seamless experience, leading to a 15% increase in repeat purchases.
    - Technologies: **NestJs, NodeJs, PostgreSQL, Render**
- **SMART-CLASSROOM** | Hackathon | Github   *July'22 - Aug'22*
    - Led a team of 3 students to build a virtual classroom on top of google classroom in **Flipr Hackathon x 2021**
    - Fulfilled the features where instructor can create and join classes, have video conference and push 100 assignments
    - Deployed the server and client codebase on **AWS(EC2)** server, augmenting it with Google authentication for login
    - Implemented **JWT** to store user data, including encrypted passwords, resulting in a **70% decrease** in security breaches
    - Technologies: **NodeJs, ReactJs, JWT auth, MongoDB, HTML/CSS**

Achievements

- Rated **1538** on **LeetCode** with a best global rank of **4233** among **22000**
- Highest Rating **1552** on **LeetCode** with global rank of **5898** among **21000**
- Accomplished mastery by solving over **500+** problems on **LeetCode**

Education

- **Dr B R Ambedkar National Institute of Technology**   *2019 - 2023*
    - B.Tech in Industrial and Production Engineering   *CGPA - 7.78*