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 | Software Developer | Noida   *Jun'23 - May'24*
- 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
- Automated invitation messages to students upon session booking, integrating an **SMS API** with meeting links, resulting in a **50%** boost 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, socket.io, PeerJs, MongoDB, HTML/CSS**

Projects

AUTH-PLUS | Github   *May'24 - May'24*
- Implemented robust authentication with password hashing and **JWT** tokens, securing access for 10,000+ users.
- Orchestrated flexible **RBAC** mechanisms for precise user control, enhancing security for 1k+ users.
- Led efficient user management for 10k+ users, covering registration, login, profile, password reset, enhancing experience.
- Architected a scalable **RESTful** API with 100+ endpoints and robust error handling, enabling seamless integration.
- Technologies: **JWT-Auth, PassportJs, NodeJs, MongoDB, RegEx, bcrypt, Google Auth, Render**

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**

Achievements

- Rated **1538** on **LeetCode** with a best global rank of **4233** among **22000**
- Achieved the highest Rating **1552** on **LeetCode** with global rank of **5898** among **21000**

Education

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