

Sloka Sawan

Software Engineer

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🌐 sawansloka | in sawansloka

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, VSCode, Git/GitHub, Herokuapp

Technical Experience

- **PHYSICSWALLAH** | Backend Developer | Noida Jun'23 - Present
 - 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
 - Successfully integrated an **SMS API**, automating invitation messages to students upon session booking, including the meeting link, leading to a **50% 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, Jenkins, DataDog, Grafana, ArgoCD, Redis, SQL
- **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%**
 - Worked on Audio interaction with **70% efficiency** 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

- **SMART-CLASSROOM** | Hackathon 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 as well as client codebase on **AWS(EC2)** server with additional google authentication for login
 - Implemented **JWT** to store user data, including encrypted passwords, resulting in a **70% decrease** in security breaches
 - Technologies used: Node.Js, React.Js, JWT auth, MongoDB, HTML/CSS

Relevant Coursework

C Programming	Data Structures and Algorithms	Object Oriented Programming
Low Level System Design	NestJS	Image Processing
MATLAB	Soft Computing	CIM & Robotics

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**
- Solved **450+** Problems on **LeetCode**

Education

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