SHUBHAM MISHRA

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Linkedin | GitHub

EDUCATION

Chitkara University   Punjab
Bachelor's of Engineering Computer Science   2019 - 2023
CGPA: 9.55

EXPERIENCE

Uolo.com | SDE 1 (Full-Stack Developer)   Gurgaon | September 2023 - Present

- Developed **IAM V2** with advanced role-based access control (RBAC) capabilities, enabling schools to create and manage custom roles with configurable permissions, integrated seamlessly into staff management systems and bulk upload processes. Implemented a two-level caching mechanism for low latency and high throughput, leveraging in-memory cache to handle approximately **200 million daily requests**, and utilizing Redis to manage cache misses, ensuring efficient and responsive operations across the platform
- Architected and implemented **10+** enhancements within the SIS platform, leveraging **Redis** for efficient caching mechanisms, **RabbitMQ** for asynchronous message queuing, and AWS services for scalable infrastructure, ensuring **robustness** and **scalability**.
- Spearheaded the development of fee and waiver flow within the users' domain, streamlining processes for adding, editing, and bulk uploading student data, alongside crafting specialized APIs for the fee management team resulting in a **40%** reduction in processing time.
- Spearheaded the creation of a **Help and Resources** section within SSM, curating **150+** educational videos and informative resources, integrating **Elasticsearch** for advanced search functionalities, alongside deploying **AWS S3** for **scalable storage** of educational videos and resources alongside deploying a super user panel for **centralized video management**, enhancing user engagement and knowledge sharing.
- Designed and implemented a customizable admit card/ID card generation system, utilizing **React for frontend development**, resulting in a **30% reduction** in operations overhead and improving user experience.
- Customized Scratch integration within the Tekie platform, facilitating project uploading and creation functionalities for **50K+ students**, expanding the platform's utility and accessibility within educational institutions.
- Developed the **Lab Inspection Tool** to assess computer systems' suitability for Tekie deployment in **5000+ Devices**, conducting comprehensive tests ensuring optimal performance and reliability of school computers.
- Enhanced generic messaging systems with many new features, such as employing **HLD-driven analysis** to conceptualize and design birthday messages and custom communication templates,
- Developed and deployed automated testing scripts for explore pendrive functionality,, facilitating comprehensive verification of course content accuracy. Generated compliance reports reducing operation time by **70%**

Uolo.com | Software Development Engineer Intern   Gurgaon | March 2023 - August 2023

- Successfully implemented Canva SSO signin with OTP, redesigned UI for Welcome SMS, and developed frontend flow SMS template list.
- Automated compatibility mode on division transition. Managed SMS credits and designed an improved sidebar menu for enhanced usability, a feature to exit all users from school in one click.

SKILLS

Programming Languages:	C/C++, Python, JavaScript, Dart, HTML, CSS, SQL
Libraries/Frameworks:	React Js, Node Js, Express Js, Flutter
Tools / Platforms:	Docker, Git, Postman, Jira, Appsmith, Dkron, Redis
Databases:	Mongo DB, MySQL, Elastic Search

PROJECTS

Covid-19 Case Tracker | Link   *Flutter, Dart, API, UI UX*

- COVID-19 tracker app with country-wise and state-wise statistics (India focus)
- Provides real-time information on the availability of beds in hospitals in different states

CERTIFICATIONS

- AWS Fundamentals: Going Cloud-Native - **Coursera**
- The Complete 2021 Flutter Development Bootcamp with Dart - **Udemy**

ACHIEVEMENTS

Solved 1100+ Questions on various coding platforms(Leetcode, GFG, Codeforces, Codechef)

1800+ (4 stars) rating on CodeChef

Achieved 5 star badges on HackerRank for C++, Java, and SQL

Secured Under 2k Global rank in May challenge 2021 on CodeChef out of 28000 participants