Sagnik Biswas

Website: sagnik.dev | LinkedIn: sbiswas2209 | GitHub: sbiswas2209

Email : biswas.sagnik.sep22@gmail.com
Mobile : +91-6289202677

EDUCATION

SRM Institute of Science and Technology, Kattankulathur — Tamil Nadu, India
Bachelor's of Technology in Computer Science and Engineering — *July 2019 – July 2023*

EXPERIENCE

Software Engineer — Gurugram, India
Farmako Healthcare (YC-S20) | Homepage | HealthTech — *July 2023 – Present*

- Developed **native plugins for the main user facing application** which increased performance from 30% to 70%, taking the application from 15K+ downloads on Playstore and Appstore to 150k+ downloads.
- Revamped the UI and worked on adding new features which elevated the user experience and in turn led to increasing the application's average rating to increase from **3 to 4.1 stars** on both Playstore and Appstore.
- Designed and developed the design system framework used within the technical team which led to a developer productivity **increasing 500%**.
- Implemented a revenue-generating API that empowers external partners within the esteemed **Government ABDM Infrastructure** using **GoLang**.

Software Engineer Intern — Gurugram, India
Farmako Healthcare (YC-S20) | Homepage | HealthTech — *April 2022 – June 2023*

- Developed the company's main user facing application from scratch and scaled it to **15k+ downloads**.
- Created user analytics dashboard to capture user behavior and use the data to make ground level as well as product level decisions.
- Worked on IoT enabled smart devices for warehouse automation leading to a packing time reduction from **25 minutes to 5 minutes**.
- Created internal applications to track shipments and delivery partner statuses live to facilitate quick delivery pickups.

Software Engineer Intern — Bangalore, India; Remote
Unique Identification Authority of India | Homepage | Government of India — *June 2022 – November 2022*

- Refactored and implemented a new workflow for address verification, specifically for address change requests.
- Developed and implemented a new address validation system, resulting in a reduction of duplicate addresses within the database. This improvement streamlined address change requests, leading to faster turnaround times.

PROJECTS

Drug Recommendation System | *ReactJS, FastAPI, Neo4J, Material UI* | GitHub — *August 2023*

- Developed a rapid drug discovery system to identify similar drugs exhibiting similar therapeutic effects.
- The system suggests drugs based on therapeutic target and drug class, providing a similarity score to enhance interpretability and facilitate comparison between drug candidates.
- Employs the Jaccard index for similarity-based drug retrieval, ensuring rapid results and eliminating the need for training. This facilitates immediate analysis and suggestion for any novel drug entry.

Producto | *NodeJS, Flutter, MongoDB* | GitHub — *July 2021*

- Designed and implemented a note-taking application to optimize workflows and improve personal or team productivity.
- Integrated collaboration capabilities, allowing users to seamlessly share notes and engage in collaborative workflows.

ACHIEVEMENTS

Aadhaar Hackathon (Organized by UIDAI) — First Prize
Theme: Hackathon — *November 2021*

TECHNICAL SKILLS

Domain Knowledge: Flutter, ReactJS, AngularJS, CI/CD, NodeJS, FastAPI, API Design, Microservices, Serverless, Database, System Design, Firebase, Alexa Skill Development.

Languages: Dart, Javascript, Typescript, Python, Java.

VOLUNTEERING

SRMKZILLA (Official Mozilla Campus Club of SRMIST) — Chennai, India
Head of Technical — *srmkzilla.net*

- Led technical team and delivered multiple open-source projects under SRMKZILLA.
- Conducted multiple technical workshops on frontend web and mobile development and IoT development.

Alexa Developers SRM — Chennai, India
Team Lead — *alexadevsrm.org*

- Headed the team and managed technical workshops, open-source projects, and sponsor relations.