Subham Saha

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https://subhamsahadeep.github.io/portfolio

EDUCATION

- **National Institute of Technology Agartala** — India
  Bachelors of Technology (B.Tech degree) in Computer Science and Engineering; CGPA: 8.38/10 — Jul. 2015 – May 2019
- **Central Board of Secondary Education**
  All India Senior School Certificate Examination, Percentage: 93% — 2015

WORK EXPERIENCE

- **MediBuddy** — Bengaluru, India
  Software Development Engineer (SDE) 2 — 30th July 2020 - Present
  - Implemented a strong alert system for multilple microservices with Slack alerts and SQS Monitoring. Revamped services with Replica DB, improved caching, and queue-based approach, enhancing load management and boosting performance. Migration of secret keys from multiple repositories to AWS Secret Manager.
  - Accomplished seamless integration of communication between Doctor-Patient Consultations. Generates customized Medical Examination Reports (MER) for different insurers, shareable via API or SFTP. (Node.js and Express.js)
  - Developed an automated Auto-dialer system that delivers pre-configured business logic-based calls to customers, effectively eliminating dependencies on OPS personnel - Handling more than 2400 cases per day. (Node.js)
  - Implemented real-time synchronization (MIS SYNC) for efficient case management across contracts, catering to OPS. Handles multi-source cases, ensures smooth Read and Write Operations via DB replicas - 70K Requests/Day
  - Designed an in-house PDF tool with capabilities for splitting, swapping, rearranging, and merging diverse types of PDF documents - Handling 1000 + cases daily. (React.js, Node.js)
  - Developed a complete Phlebo Front-End app (React Js) with login, order dashboard, camera, and barcode scanner features. The app receives over 2000 orders daily.
  - Developed End-to-End Provider/Insurer Portal (React JS) for India-based Providers/Insurers. Enables efficient case tracking and daily task management. Features: role-based dashboards, dynamic routing, and more.
  - Led the UI revamp for the mobile consultations app and contributed to the Web-App team in optimizing coding standards, performance, and creating npm packages. (React Js, JS, Angular, TS, NextJs, Web Vitals)
  - Skills: React.js, Next.js, Node.js, Angular, TypeScript, JavaScript, PostGres, Redis, MySQL, AWS SQS, Cloudwatch, S3, Cloudfront, Docker, Jenkins. Analytics: Google Analytics, Branch, Clevertap, New-Relic, Re-tool.

- **BuildSupply** — Gurugram, India
  Analyst - Software Engineer — 9th June 2019 - 26th June 2020
  - Designed and developed the Material Manager, an end-to-end construction-focused inventory management solution using Angular. This platform enables customers to efficiently manage project procurement and provides real-time tracking of material inventory across multiple projects. - 1000+ Cases Handing daily.

- **Summer Intern - IIT Kharagpur** — Kharagpur, India
  Essential Drug Information System — 8th May 2018 - 22nd June 2018
  - Developed a comprehensive doctor dashboard with a medicine search engine for seamless prescription, including the ability to add new medicines to the database.

PUBLICATION

Designing a Mobile-based Non-Verbal Classroom Interaction System:
(International Journal of Computational Intelligence IoT, Vol. 2, No. 3, 2018 - https://ssrn.com/abstract=3361038)

BYOD Supported Multimodal Classroom Interaction:
(Procedia Computer Science Volume 167, 2020 - https://doi.org/10.1016/j.procs.2020.03.364Get)

SKILLS AND EXPERTISE

HTML	Tailwind CSS	TypeScript	Next Js	Express.js
CSS / SCSS	Bootstrap	Angular	Node JS	SQS/Lambda/S3
React Material UI	Javascript	React JS	Redis	AWS

PROJECTS AND RECOGNITIONS

- 1st Runners Up - Feature Factory Hackathon — Developed Pregnancy Tool for Medibuddy
- Achievers Award of the Quater and Star of the Month (3 times) — Medibuddy
- Second Runners Up for Labs UI Hackathon. — Medibuddy
- Problem-Solving Certificate by HackerRank.
- Authentication and authorization Using JWT Token (https://github.com/Subhamsahadeep/nodePg).
- Search keywords Project using React Js, NodeJs, Redis and PostGresSQL