SHUBHAM MATHUR

Senior Software Engineer

+91-9443129941 · shubham.mathur.wrk@gmail.com · linkedin.com/in/shubham-mathur-biz

WORK EXPERIENCE

Engineer 2 *Nov 2021 - Present*
Mckinsey & Company Bengaluru, KA

- **GenAI-BankVoice**: Designed and built Text-to-speech and speech-to-text banking IVR using **GenAI** to provide enhanced customer experience. (**OpenAI GPT**, **NestJS**, **React**).
- **IngrediScan**: Built a POC using **GenAI** to scan recipes using OCR and adding extracted ingredients to cart. (**OpenAI GPT**, **NestJS**, **React**).
- Assisted medication webapp for **a leading pharma company, US (1.5 million user base)**: Developed a mobile app for a pharma company, achieving a **34% reduction in readmissions, 18% deprescribing rate, and 10% increase in cases with pain improvement**.
    - As a Full Stack Developer, integrated **Twilio** and **Azure** functions in **nodejs** for the notification service, leveraging queues in the backend. Created feature-rich screens for web and mobile using **React**, **Material UI**, and **JavaScript**. Created Technical documentation, reviewed code, worked closely with cross-functional teams.
- Led Engineer 1 and intern recruitment, conducting interviews and code pair rounds. Led a GenAI community initiative, consolidating GenAI use cases, developed demos for client conversations, mentoring juniors.

Engineer 1 *July 2019 - Nov 2021*
Mckinsey & Company Bengaluru, KA

- Self Service app for **a leading Bank, Malaysia (20 million user base)**: An online platform which **improved the efficiency by 60%** for managing lending services, used by **relationship managers (5000+)** to handle leads and create profiles using government credit reports. Developed an efficient ecosystem for credit reports, integrating legacy SOAP systems and optimizing data normalization in microservices built using **Spring Boot**, **Express**.
- Project Management tool for Mckinsey Consultants: An advanced web tool for CSTs, providing curated materials, objectives, outcomes, timeline, and talent assignment for engagements. Built backend (**Express**, **GraphQL**), handled IAM (**Okta**), deep linking(**React**), cross-platform search, and curated material submission (**Box APIs**).
- Contributed to the firm's knowledge base by publishing articles on API development best practices in internal publications. Helped in campus recruitments.

Junior Engineer *Jul 2018 - Jul 2019*
Mckinsey & Company Bengaluru, KA

- **Insurance Product recommendation Platform, Singapore (1.3 million user base)**: A web app to recommend insurance products among 30+ options, **improving efficiency by 90%** compared to manual and time-consuming processes. Developed high-quality features using **React**, **Node.js**, and **Express**. Mentored 3 interns.
- Mobile and web app for **a leading Telecom Company, Thailand (10 million user base)**: As a Full Stack Engineer, developed interactive UI using **React** and microservices using **Hapi.js**. Optimized code, increased **unit test coverage by 40%**, and implemented an exponential back-off retry mechanism for APIs.

CERTIFICATIONS

AWS Certified Cloud Practitioner | Amazon Web Services (AWS) *Sep 2021*

EDUCATION

Vellore Institute of Technology *2018*
Bachelor of Technology Vellore, TN

SKILLS

Languages: **Proficient**: JavaScript, Typescript, HTML, CSS; **Familiar**: Java, Python, C++.
Libraries & frameworks: **Proficient**: React.js, Node.js, Express.js, Nest.js, Tailwind, Jest, React Testing Library; **Familiar**: Spring Boot, React Native, MaterialUI, Bootstrap, Storybook.
API Development: RESTful APIs, GraphQL
DBMS & ORMs: **Proficient**: PostgreSQL, Sequelize, MySQL; **Familiar**: Neo4j.
CI/CD: Github Actions, CircleCI.
Version Control: Git, GitHub, BitBucket.
DevOps Tools: Docker, Basics of AWS, Azure.