

apurba@umich.edu OR
apurba.engineer@gmail.com

APURBA SAHA
(313) 603-9222

LinkedIn: [apurba-saha](#)
Website: www.apurba.online

SUMMARY

Full Stack Developer with knowledge in a number of languages and frameworks which includes experience in development of professional web applications using the latest technologies. Seeking an opportunity to contribute to a progressive thinking, fast paced organization.

EDUCATION

Master of Science- Information Systems & Technology (Software Engineering) - GPA: 3.70 - (2022)
University of Michigan Dearborn, Michigan, USA

US Equivalent = Bachelor of Engineering - (2007)
Bangladesh University of Engineering & Technology, Dhaka, Bangladesh

STATUS: Authorized to work in USA (PR). No sponsorship needed at any time.

TECHNICAL SKILLS

Python & Data Structures | C/C++ | Object-Oriented Programming | Data Base Application Design and Development | Responsive Web Design (HTML & CSS) | Web Systems Integration and Development (PHP & JavaScript) | jQuery | WordPress | Node JS | Angular JS | AJAX | XML | JSON | REST | API | Project and Program Management | Digital Transformation | Cloud Onboard & Migration (AWS) | Waterfall & Agile | Apps Modernization | SQL | PostgreSQL | GitHub.

INTERPERSONAL SKILLS

Fluent in English, Bengali & Hindi; communicative in French; Efficient time manager, planner & organizer; Excited to work with groups; Very motivated to learn.

WORK EXPERIENCE

(Freelance) Full Stack Software Developer (December 2019 – present) in USA

Working in a group of developers to build, examine and maintain applications from startups to large-scale businesses based in the US and Canada.

- Refactored and Unit tested large-scale web applications with methods having 100+ lines of legacy code and improved the code by 99%.
- Took part in software design discussions with senior architects and improved the performance for business-critical processes by 25%.
- Implemented and made user authentication system with login and logout methods along with encryption and decryption and utilized authorization header of security with API calls for safe data transactions.
- Designed RESTful API controller to handle client-side requests and developed data models, request models, and interfaces utilizing model attributes for validation.
- Utilized front-end validation, mid-tier model binding, and database procedures to ensure integrity of application data.

Asst. Commissioner (System Analyst) (June 2012 – December 2018)

Public Service, Bangladesh

- Used to Solicit, understand and document the customer's business requirements, processes, and workflows developing both written and visual depictions of requirements and process flows.
- Used to work with developers to create the functional specifications that meet those requirements, serve as a subject-matter expert to the developers building those functions, and worked with the QA team to test the developed functionality Implements and computer system requirements by defining and analyzing system problems; designing and testing standards and solutions.
- Defined application problem by conferring with clients; evaluating procedures and processes.
- Developed solution by preparing and evaluating alternative workflow solutions.

PROJECTS

- Developed a transportation sharing web application using PHP, JavaScript, MySQL technology.
- Developed some simple mobile applications using android studio in Java.
- Completed a project on Data analysis with Python for the traffic crash data in Southeast Michigan region.
- Developed multiple small responsive websites using HTML, CSS and JS.
- Completed multiple project which implemented various UML diagrams to showcase efficient project planning and design using Enterprise Architect.