Enamul Haq Chowdhury

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WORK EXPERIENCE

- **Syntax Solution Ltd** — Gulshan 2, Dhaka
  Software Developer(Full-time) — *Jun 2024 - Present*
  - Working on a **microservice architecture** for an **eCommerce application**, primarily focusing on the **Catalog Service**.
  - Developing both **frontend** and **backend** components for the Catalog Service.
  - Building **RESTful APIs** using **Spring Boot 3** and **Java 21**.
  - Utilizing **MongoDB** as the NoSQL database for catalog data management.
  - Implementing microservice communication with **Netflix Eureka** and **Spring Cloud** for service discovery and resilience.
  - Collaborating with various backend services to ensure seamless integration and communication.
  - Leading the development of the **Product Portal Catalog** frontend using **Angular 18**.
  - Responsible for the entire frontend structure, including **UI/UX design**, **state management**, and **API integration**.
  - Following **Agile methodology**, participating in daily stand-ups, sprint planning, and retrospectives.
  - Consistently delivering tasks within sprint timelines, adhering to best coding practices, and maintaining high-quality standards.
  - Collaborating closely with cross-functional teams, including **QA**, **DevOps**, and **Product Managers**, to ensure smooth delivery of features.

- **Dynamic Megasoft Ltd** — Santa Clara,California,USA
  Full-Stack Software Developer(Full-time) — *Oct 2022 - Jun 2024*
  - Designed and implemented Restful APIs, enabling seamless communication between different components of the system using **Spring Boot**.
    Writting applications requirement-specific complex database scripts using **MySQL**.
  - Actively participated in agile development methodologies, including daily stand-ups, sprint planning, and code reviews.
  - Implemented modules, components, services, and directives to build interactive and dynamic web applications using **Angular 7 and Angular 14**.
    Integrated RESTful APIs and managed data binding between the front-end and back-end systems.
  - Resolved bugs and issues by troubleshooting, debugging, and implementing necessary fixes.
  - Implemented reusable component libraries, reducing development time for subsequent projects.
  - Conducted data modeling and schema design to support new application features and functionalities, ensuring scalability and flexibility.
  - Implemented features and functionality by writing complex queries to achieve client requirements and optimize application performance.
  - Utilized Git for version control and participated in code reviews to ensure code quality and maintainability.
  - Written documentation regarding the whole application to achieve smooth integration from the user end.

- **Pantheon Systems,Inc** — San Francisco,USA
  Technical Support Engineer L3(Contractor remote) — *Mar 2021 - Jan 2023*
  - **Ticket Solving, Live chats**: Solving issues related to the platform or application via ticket or live chat through communicating with the application's customers, including site developers and site owners. This includes analyzing log files, New Relic data, CMS settings, Codebase structure, Custom code modifications, and identifying potential points of failure and areas of improvement
  - **Contributing to documentation**: Contributed to the internal documentation related to the platform
  - **Solr and Redis implementation and debugging**: Reproducing customer issues on the self-end and providing solutions after debugging Solr/redis at the application level
  - **Educated onboarding team with platform architecture with live sessions**: Took live sessions on how to use platform tools to debug issues, how to approach on debugging an unknown issue, and more.
  - **Natural Language Processing**: Worked on an NLP project for 2 months which required using of libraries like NLTK, Keras, and Spacy in order to gather necessary information from Resume

Skills

- **Programming/Scripting Languages**: Java | Javascript | TypeScript | C++ | SASS | CSS | PHP | HTML

- **Databases**: MySQL | MS SQL Server | MongoDB

- **Frameworks/Libraries**: Spring Boot | Angular | React | Material UI | Tailwind CSS

- **CMS**: Wordpress | Drupal

- **Version Control and CI/CD**: Git | Github |Bitbucket | Docker

- **Project Management tool**: Jira | Clickup

Education

- **Ahsanullah University of Science and Technology**   Dhaka, Bangladesh
  Bachelor of Science in Computer Science and Engineering; CGPA: 3.35/4.00   *April. 2016 – Jan. 2021*

Publication

- **Cricket Activity Detection**:An image classification that is based on cricketing activities with the help of a Convolutional Neural Network. The final model achieves 99.47% accurate test results.The paper is published on IEEE Xplore, https://ieeexplore.ieee.org/document/9707392.

Extracurricular

- **Intra Programming Contest**: Participated in Intra contest.

- **Volunteer**: Participated in teaching Algorithm and Datastructure to Junior students in academic career.

Projects

- **Dynamic Site**: A dynamic and visually engaging platform built using React.js and PHP(for form) designed to showcase the products, services, and achievements of the company.
  site: https://dynamicerp.us/
  Technology: ReactJs | PHP | MySQL
  Role: Frontend, Backend

- **Global Business Solutions ERP site**: An ERP solution to track and automatically analyze business operations from buying to selling including automated accounting operations and reports.
  site: https://gbs-bd.net/
  Technology: Angular | Spring Boot | MySQL | DevExtreme | Angular Material | RxJs | Lodash | Sourcetree | Bitbucket
  Role: Frontend, Backend

- **HRMS**: An advanced HR management software offering automated tax, salary, leave, and provident fund management. It includes robust features like searching, filtering, inventory management, attendance tracking, and insightful dashboards with charts, empowering organizations to streamline HR operations and enhance efficiency.
  site: Dynamic-HRM
  Technology: Angular | Spring Boot | MySQL | DevExtreme | Angular Material | RxJs | Lodash | Sourcetree | Bitbucket
  Role: Frontend, Backend, Database schema design, UI design

- **HMS**: HMS is a comprehensive management software facilitating seamless patient management, appointment scheduling, and inventory tracking. It offers features for billing, medical records management, and staff scheduling, optimizing hospital operations and enhancing patient care delivery.
  site: Hospital-Management
  Technology: Angular | Spring Boot | MySQL | DevExtreme | Angular Material | RxJs | Lodash | Sourcetree | Bitbucket
  Role: Frontend, Backend, Database schema design, UI design

- **PMS**: PMS is an intuitive pharmacy management software that streamlines inventory management, prescription tracking, and customer interactions. With features for medication dispensing, order processing, and real-time analytics, it enhances efficiency and ensures seamless operations in pharmacy settings.
  site: Pharmacy-Management
  Technology: Angular | Spring Boot | MySQL | DevExtreme | TailWind CSS | RxJs | Lodash | Sourcetree | Bitbucket
  Role: Frontend, Backend, Database schema design, UI design

- **IMS**: IMS is a robust inventory management software designed to streamline inventory tracking, procurement, and optimization processes. It offers features such as real-time inventory monitoring, automated stock replenishment, and customizable reporting, empowering businesses to efficiently manage their inventory operations and reduce costs.
  site: Inventory-Management
  Technology: Angular | Spring Boot | MySQL | DevExtreme | Angular Material | RxJs | Lodash | Sourcetree | Bitbucket
  Role: Frontend, Backend, Database schema design, UI design
- **BMS**: BMS is an advanced software solution designed to automate and optimize the management of building operations. It provides real-time monitoring and control over key building systems such as HVAC, lighting, security, and energy management. With features like automated scheduling, energy efficiency analytics, and customizable alerts, BMS enables facility managers to enhance building performance, ensure occupant comfort, and reduce operational costs. This system empowers organizations to maintain a sustainable, secure, and efficient building.
  site: Building-Management
  Technology: Angular | Spring Boot | MySQL | DevExtreme | Angular Material | RxJs | Lodash | Sourcetree | Bitbucket
  Role: Frontend, Backend, Database schema design, UI design