MASUM AHMED Full Stack Developer

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Melandaha, Jamalpur, Bangladesh - 2012

WORK EXPERIENCE

Present January 2023

Full Stack Developer PART-TIME

CodexPro GmbH, Schaumburgallee 7, 14052 Berlin, Germany

- > Collaborated with UX designers to create and implement reusable, custom, and 3D components using raw CSS and Tailwind, enhancing the user interface of ${\tt CodexPro}$ (for Kids).
- > Led development of a scalable Learning Management System (LMS) serving 2,000+ users.
- > Integrated Vimeo (Premium), PayPal, GeoLocation APIs, Webhooks, Mailgun, Mailchimp, and PushEngage for enhanced user experience.
- > Developed a dynamic admin panel with features like attendance tracking, class video uploads, invoicing, SmartCalendar, Email and Notifications Management System.
- > Co-architected backend infrastructure for maintainability and scalability.
- > Enabled data-driven learning through real-time analytics, personalized learning paths, and performance reporting for CodexPro.
- > Implemented SEO strategies to improve visibility and search rankings.

Next.js | Nest.js | Swagger | Puppeteer | Tailwind | Prisma | (d3.js | Docker | CI/CD Tools | Vimeo | MongoDB | S3 | Clouldfront DigitalOcean Vercel

October 2023 July 2023

Software Engineer (SDE-I) CONTRACT

Daniyal Technologies, Dhaka, Bangladesh

- > Developed and optimized robust E-commerce platforms serving over 50,000 users, including Jars, Transaction Bee, Dispo, Hyman, MacPharms, and HGSHYDR.
- > Contributed to the digital transformation of service-based businesses through an appointment system for spas, clinics, and to the insurance sector via LA Insurance.
- > Maintained clean, scalable codebases using Next.js App Router, Zustand, TanStack Query, Toastify, and Tailwind CSS across main platforms and admin panels.
- > Utilized Vue.js in admin panels to enhance interactivity and performance.
- > Built scalable backend systems with NestJS, using MongoDB or MySQL depending on project needs.
- > Integrated advanced tools and services including Puppeteer, UPS API, Nodemailer with Mailgun (Handlebars templates), Swagger for API docs, and NMI Payment Gateway.

Typescript Next.js Nest.js Vue.js UPS NMI Payment Gateway Zustand Tailwind d3 Tanstack MongoDB MySQL DigitalOcean Vercel

December 2022

Lecturer FULL-TIME August 2021

Metropolitan University, Sylhet, Bangladesh

- > Taught courses including Basic Competitive Programming, Database Management Systems, Software Engineering, Web Engineering, Computer Graphics, and Operating Systems.
- > Actively involved in co-curricular activities, including student mentoring, hackathons, and programming contests.

Outcome-Based Education | Competitive Programming

July 2021 December 2020

Junior Software Engineer PART-TIME

InnovexIT, Sylhet, Bangladesh

- > Collaborated in designing a scalable database architecture and crafting REST APIs to serve a global user base exceeding 5,000 users for Umediad.
- > Implemented multi-language support, integrated Stripe for payment processing, leveraged Maps JavaScript API for location-based features, incorporated Google Translate API, enabled social logins (Google, Apple), and facilitated real-time communication among users through a robust chat system powered by Socket.IO.

Express.js React.js Bootstrap MongoDB Stripe HostPapa VPS



EDUCATION

September 2021 February 2017

B.Sc. in Computer Science and Engineering

Shahjalal University of Science and Technology, Sylhet.

CGPA: **3.63** / 4.00



Programming Languages Javascript (Fluent), Typescript (Fluent), Python (Fluent), C++ (Competent), PHP (Competent)

Frameworks React.js, Next.js, Express.js, Nest.js, ReactNative, Laravel

Tools, OS & Interests Git, Bash, MongoDB, PayPal, Vimeo, Docker, EC2, DigitalOcean, MySQL, Linux, MacOS, ŁTEX



LINGUISTICS ANALYSIS OF ENGLISH BANGLA MACHINE TRANSLATION

2020 - 2021

• github.com/masumahmedeesha/Linguistics-Analysis

An analysis of possible linguistics features for all available English ↔ Bangla Parallel corpora using Statistical Machine Translation, state-of-art Neural Machine Translation, and a novel neural Lemmatizer to find errors in translating from Bangla to English and English to Bangla.

Python TensorFlow SMT NMT

MAMMUTS: Online Diary 2020

github.com/masumahmedeesha/Mammuts-ReactNative PlayStore

A cross-platform social application built for an Italian Client as a freelance developer that allows users to create a social profile, make friends and share a memory with Photos and Recordings in Private/Public mode.

ReactNative Javascript PHP