

MD. YAMIN HOSSAIN

Senior Software Engineer · Data Analyst · M.Sc. Applied Statistics & Data Science
Dhaka, Bangladesh · yaminhshohan@gmail.com · +880 1878578504
GitHub: github.com/needyamin • Portfolio: needyamin.github.io



PROFESSIONAL SUMMARY

Senior Software Engineer with 5+ years of experience building backend systems, APIs, and cloud applications. Skilled in Python, Java, JavaScript, PHP, Docker, Kubernetes, and microservices. Experienced in improving performance, setting up CI/CD, and building open-source software. M.Sc. in Applied Statistics & Data Science with knowledge of machine learning and data modeling.

TECHNICAL SKILLS

Language	Python, Php, Sql, R, Java, JavaScript
Backend	Laravel · Django · FastAPI · Node.js / Express.js
Frontend	HTML · CSS · JavaScript · Bootstrap · REST API Integration
Databases	MySQL · MariaDB · PostgreSQL · MongoDB · NoSQL
ML & Data	Machine Learning · Statistical Modeling · Data Analysis · Scikit-learn · Pandas · NumPy
DevOps / Cloud	Docker · Kubernetes · CI/CD · GitHub Actions · GCP · AWS (EC2, S3)
OS & Tools	Linux (Debian) · Windows · Shell Scripting · SSH · Cron · APT · Snap · WSL
Architecture & Practices	Microservices · Monolithic Architecture · Object-Oriented Programming (OOP)

PROFESSIONAL EXPERIENCE

Full-Stack Web Developer (Freelance) Upwork — Remote	Feb 2019 – Present
– Built custom web applications and scalable backend solutions for international clients. – Integrated REST APIs, payment gateways, and secure authentication systems. – Automated deployments using Docker and CI/CD workflows. – Managed AWS and GCP infrastructure, including SSL, firewalls, and backups.	
Senior Software Engineer OSSL (Otithee.com) — Gulshan, Dhaka, Bangladesh	Dec 2023 – July 2026
– Led the transition to microservices, improving system modularity and reliability. – Automated CI/CD pipelines with GitHub Actions and optimized Linux servers. – Built high-performance RESTful APIs and backend modules using Laravel. – Containerized applications with Docker and deployed on Kubernetes for 99.9% availability.	
Lead Web Developer Bright Technologies Limited — Dhanmondi 27, Dhaka, Bangladesh	Oct 2022 – May 2023
– Led development of high-performance e-commerce platforms and scalable solutions. – Integrated payment gateways, inventory APIs, and advanced SEO strategies. – Managed Git, CI/CD pipelines, and Linux cloud production servers.	
Full-Stack Web Developer C3 Cyber Club — Ashburn, VA, USA (Remote)	Sept 2019 – July 2021
– Managed and optimized MySQL, PostgreSQL, and MongoDB databases for high-traffic applications. – Improved Nginx and Apache server security with SSL, firewalls, and strict access controls.	

EDUCATION

Masters in Applied Statistics & Data Science / Jahangirnagar University, Savar, Dhaka-1342, Bangladesh	2022 – 2023
– Thesis: "SDM-RF-MAXNET: Machine Learning-Based Potential Distribution of Siam Weed in Bangladesh" – Core Subjects: Statistical Modeling, Machine Learning, Data Visualization, Time Series Analysis	
Bachelor of Business Administration (BBA) / National University of Bangladesh, Gazipur-1704, Bangladesh	2016 – 2020
– Core Subjects: Accounting, Management, Economics, Business Statistics	
Higher Secondary Certificate (HSC) / Jessore Govt. City College, Jessore-7400, Bangladesh	2014 – 2016
– Core Subjects: Accounting, Commerce, Economics, Business Studies	
Secondary School Certificate (SSC) / Bheramara Model Pilot High School, Kushtia-7040, Bangladesh	2012 – 2014
– Core Subjects: Information and Communication Technology, Physics, Chemistry, Biology	

CERTIFICATIONS

CS50's Web Programming with Python and JavaScript

Feb 2020 – Jan 2021

Harvard University — cs50.harvard.edu

Professional Certificate in Computer Science for Web Programming

Feb 2021 – Aug 2021

edX — edx.org

Google Data Analytics Specialization

Mar 2021 – Oct 2021

Coursera — coursera.org

Google IT Automation with Python

Oct 2021 – May 2022

Coursera — coursera.org

OPEN SOURCE PROJECTS & PORTFOLIO

AnsNew Tech. Media Downloader 4K / Desktop Software

A simple tool to download video and audio from internet sources

– Marketplace: <https://sourceforge.net/projects/media-downloader>

AutoForm Fill Fake Data Generator / Browser Extension

Browser extension that auto-fills web forms with realistic fake data.

– Mozilla Add-ons: addons.mozilla.org/en-US/firefox/addon/auto-fill-fake-data-generator

LingoLearn Phonetics / Desktop Software

LingoLearn helps students master English pronunciation using real voice output, IPA phonetics.

– Microsoft Store: <https://apps.microsoft.com/detail/9NM5FFT57B7G>

PBHJ Advanced Formatter / Visual Studio Plugin

Advanced multi-language formatter for HTML, JavaScript, PHP, and Blade

– Marketplace: <https://marketplace.visualstudio.com/Yamin.pbhj-advanced-formatter>

Genesis Artvision Engine / Desktop Software

Offline AI-inspired video factory for automated MP4 generation & Youtube Upload

– Git Project: <https://github.com/needyamin/genesis-artvision-engine>

Spring Boot Microservices E-Commerce / E-commerce (Web)

Scalable multi-vendor eCommerce platform built with Spring Boot Microservices.

– Git Project: <https://github.com/needyamin/spring-boot-microservices-ecommerce>

Advanced PDF Reader / Desktop Software

A modern, professional and advanced PDF reader

– Git Project: <https://sourceforge.net/projects/pdf-reader>

REFERENCE

Prof. Dr. Md. Masood Imran

Professor,

Department of Archaeology

Jahangirnagar University, Savar, Dhaka-1342,

Phone: +8801711985253

Email: masoodimranmannu@juniv.edu

Relationship: Workplace

MD. Sirajul Islam

Lecturar

Department of Accounting

Monirampur Govt College, Jessore-7400

Phone: +880-0171-2768-334

Email: sirajultutul0@gmail.com

Relationship: Academic

Prof. Dr. Md. Jafar Ullah

Professor

Department of Agronomy

Sher-e-Bangla Agricultural University

Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh

Email: jafarullahsau@gmail.com

Relationship: Workplace