Enamul Hasan

Software Engineer (.NET & Python) - 2.5 Years Experience
Expert @Codeforces | syl.enamul@gmail.com | Github | Gitlab | Linkedin

WORK EXPERIENCE

Software Engineer II – C&E IT Solution, Sylhet | Jan 2024 – Present
Short break (Mar–Jun 2025) for contract at LII Lab IT

- Architected core modules and led **SDLC** for Academic, Pharmacy & HR-Payroll systems (**ASP.NET Core, MSSQL**), deployed to **20+ hospitals & institutions**
- **Migrated** the organization's entire enterprise solutions from **.NET Framework 4** to **.NET 8**, enabling cross-platform compatibility, improved performance, and modern development practices.
- Boosted **database performance** by **30–60%** via **Entity Framework Core, DB Indexing, Stored Proc., SQL & LINQ** optimization.
- Delivered features in an **Agile setup** with sprints, stand-ups, and continuous deployments.

Software Engineer I – C&E IT Solution, Sylhet | July 2022 – Dec 2023

- Gained hands-on experience with **ASP.NET Core MVC**, **Web API, and RDBMS**.
- Contributed to **requirement analysis** and **business logic implementation**
- Enhanced user experience using **jQuery** and **Bootstrap**.

Software Engineer (Contract) – LII Lab IT, Sylhet | Mar 2025 – Jun 2025

- Developed **Accento** – an AI-powered English accent practice app (**Google Play Store** & **App Store**) backend using **Django** and **PostgreSQL**.
- Built core backend features for **AI-driven accent & pronunciation training** using **Deepgram** (audio analysis) and **GPT-4** (text generation).
- Collaborated with frontend teams to deliver a **seamless user experience** for accent and pronunciation improvement.

PROJECTS

1. AcademicERP System – C&E IT | Tech: ASP.NET Core, MSSQL, EF Core, jQuery

- Engineered core modules for managing **10,000+ students** across **6+ institutions**.
- Implemented **fee management** with offline/online payment integration and **financial reporting**.
- Developed **student & exam management** with result processing, automated merit ranking, and result sheet/tabulation generation.

2. HRM & PRM Software – C&E IT | Tech: ASP.NET MVC, MSSQL, EF

- Contributed to **salary generation**, leave calculation, promotions, and PF management.
- Developed **REST APIs** for mobile integration and push notifications via **Firebase**

3. Pharmacy Management System – C&E IT | Tech: ASP.NET MVC, MSSQL, EF

- Enhanced **inventory, sales, purchase, and reporting** for managing **20+ pharmacies**.
- Integrated MSSQL database with **EF Core** for improved maintainability.

4. TaskForge.NET – Task & Project Management System – Learnathon 3.0
Tech: ASP.NET Core MVC, EF Core, PostgreSQL, MSSQL, Docker, GitHub Actions (CI/CD)

- Developed a **scalable task management platform** supporting dependency-aware workflows and collaborative project execution.
- Built on **Clean Architecture:** Domain, Application, Infrastructure, & Web.
- Built a **CI/CD pipeline** using GitHub Actions and Docker for automated deployment.
- Applied **topological task ordering** via Kahn's Algorithm with cycle prevention.
- Achieved an **8.1/10 overall score** in Learnathon 3.0:
  Code Architecture: 8.5 | *Documentation:* 8.5 | *Unit Testing:* 8.0 | *Version Control:* 8.5 | *Logging:* 7.5 | *Integrations:* 5.5
- 🔗 **GitHub Repo** | 📄 **Certificate**

5. Hall Management System (Team) | Tech: Django, SQLite, SSLCommerz (Github)
Built a full-stack hostel management system streamlining admissions, registrations, room allocation, and fee collection with secure online payments via **SSLCommerz**. Implemented role-based access control (admin, provost, student) and a responsive UI using Django ORM and Bootstrap.

EDUCATION

Sylhet Engineering College, Sylhet — *Bachelor of Science in Computer Science & Engineering*
January 2020 - 2024
CGPA: 3.43/4.00

SKILLS

Programming Languages:
C# (3+ years)
JavaScript (3+ years)
C++
Python (1+ year)

Framework:
ASP .NET & EF Core (3+ years)
Django
React

Database Management:
SQL (3+ years),
MSSQL (3+ years)

Version Control:
Git, GitHub, and GitLab

API Development:
ASP .NET Core Web API
Django Rest Framework

COMPETITIVE PROGRAMMING

Codeforces: Expert (Max Rating: 1722, Best Rank: 675 in Div 2)
Handle: Enamul_Hasan85

CodeChef: Max Rating: 1992, Best Rank: 20 in Div 2
Handle: enamulhasan85

AtCoder: Highest: 1090, 5 Kyu
Handle: Enamulhasan85

AWARDS

30th Position - DUET IUPC 2025
Team: SEC_TrieHard

25th Position - KUET IUPC 2025
Team: SEC_(Brain+Effort)=AC

33rd Position - ACM ICPC Dhaka Regional 2024 (DIU)
Team: SEC_BinaryTernary

2nd Position - MU (IUPC) Sylhet Division 2024
Team: SEC_BinaryTernary

19th Position - CUET (IUPC) 2024
Team: SEC_BinaryTernary

49th Position - BUET (IUPC) 2024
Team: SEC_KorteiHobe

61st Position - ACM ICPC Dhaka Regional 2022 (GUB)
Team: SEC_BinaryTernary

33rd Position - SEC IUJPC 2022
Team: SEC_RTE