Md Belal Hosen

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Professional Summary

Experienced Software Engineer with comprehensive expertise in the full software development life cycle (SDLC), including design, implementation, and testing. A collaborative team player and quick learner, skilled at building positive relationships and contributing effectively to project success.

Employment

Verbund Pflegehilfe Gmbh, Mainz, Germany – *Senior Software Engineer*   *Apr 2022 - Present*
- Implemented automated supplier selection based on leads criteria.
- Developed a booking potential prediction system using historical data.
- Implemented Pessimistic Locking in SQL database to prevent oversell.
- Created an overbooking system using Binomial distribution.
- Technologies: .NET 6, EF Core, XUnit, Azure SQL, Azure Service Bus, Redis Cache, Azure DevOps.
- Design Patterns: CQRS, DDD, Clean Architecture, Microservices.

Brain Station 23 Limited, Dhaka, Bangladesh – *Full-stack Software Engineer*   *Jan 2021 – Dec 2021*
- Developed a comprehensive document management tool for insurance clients.
- Implemented report generation functionality to facilitate efficient data analysis.
- Built user-friendly frontend client applications using Angular 7 and Angular Material UI.
- Technologies: .NET 5, EF, SQL, Angular 7, Redis cache, Fast Report.
- Design patterns: N-tier architecture, Repository pattern.

Bitopi Group, Dhaka, Bangladesh – *Software Programmer*   *Sep 2019 – Dec 2020*
- Developed a production planning system for a Garments factory.
- Enhanced the automated incentive system for garment workers.
- Worked on a washing budget and cost analysis system.
- Technologies: .NET Framework 4.7, ADO.NET, Angular 5, RDLC Report, SQL stored procedure.
- Design Patterns: N-tier architecture, Repository pattern.

CDIP – UIU, Dhaka, Bangladesh - *Junior Software Engineer*   *Sep 2018 – Jun 2019*
- Enhanced order and sales management modules in an ERP system.
- Extended the Bill of Materials (BOM) analysis module.
- Used technology: .Net Framework 4.7, ADO.NET, AngularJs, Crystal Report, SQL Database.

Education

BSc. in Computer Science and Engineering   *Jan 2015 – Jul 2018*
American International University-Bangladesh
CGP 3.58 out of 4.00 (Max 4.0, Min 1.0)

Skills

- **Programming Languages**: C#, Javascript, Typescript, Python, C++, Java (basic).
- **Backend Stacks**: .NET, .NET Core, EF / EF Core, ADO.NET, XUnit, Rabbit MQ, Azure Service bus, Azure redis cache, Azure Blob storage.
- **Frontend Stacks**: AngularJs, Angular, Angular Material, VueJs, React (basic), Jest, Tailwind css, Bootstrap.
- **Software design patterns**: CQRS, Clean architecture, N-tier, Repository pattern.
- **Database**: SQL, MySQL.
- **Reporting Tools**: RDLC, Crystal Engine, SSRS, Fast Report.
- **Source Code Version Management Tools**: Git, GitHub, GitLab.
- **Project Management Tools**: Jira, Trello, Azure Board.
- **Tools**: Visual Studio, Visual Studio Code, SQL Server Management Studio, Postman.
- **Continuous Integration/Continuous Deployment (CI/CD)**: Azure DevOps.
- **Containerization & Orchestration**: Docker, Kubernetes (basic).

Language

- English (Fluent)
- German (Basic – A1)
- Bengali (Native)

Awards

- First place (Education category) in Live Hackathon   2017
  Organized By: Daffodil International University, Bangladesh.