Amit Kanti Barua

Principal .NET Software Engineer

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PROFESSIONAL SUMMARY

Continuous learner with a proven track record, specializing in .NET technologies. Achieved a 40% reduction in support tickets through comprehensive documentation and user training. Adept at collaborating cross-functionally and enhancing software features, ensuring high-quality deliverables and user satisfaction.

PROFESSIONAL EXPERIENCE

Principal Software Engineer | **Selise Digital Platforms**

Chattogram, Bangladesh - Remote Apr 2026 - Present

- Analyze complex user requirements for a US-based hair transplant treatment system and architect assessment strategies to evaluate legacy system modernization needs
- Review and document a multi-technology codebase comprising React (frontend), WinForms, ASP.NET Web Forms, Web API and Silverlight to understand system architecture and dependencies
- Assess architectural patterns and code maintainability, identifying technical debt and areas requiring refactoring for improved long-term stability
- Conduct vulnerability analysis across the full stack, documenting security risks and providing remediation recommendations
- Evaluate RESTful web service implementations and third-party integrations, proposing enhancements for consistency and reliability
- Prepare comprehensive technical documentation including system architecture overviews, component interactions, data flows and future improvement roadmaps
- Collaborate cross-functionally with a team member to deliver a final assessment report covering vulnerability details, performance bottlenecks and strategic recommendations for modernization

Senior Software Engineer | **AGT - All Generation Tech**

Chattogram, Bangladesh - Remote Apr 2025 - Dec 2025

- Analysed complex user requirements for a US-based insurance platform and architected implementation strategies that aligned with business objectives, ensuring full audit trails and real-time synchronization
- Developed and maintained scalable web applications using .NET/C#, Entity Framework Core and Web APIs, improving code maintainability through clean architecture principles
- Enhanced system reliability by integrating comprehensive logging and transaction monitoring, supporting complete operational transparency and debugging
- Created and consumed RESTful web services to enable seamless integration between the Unqork frontend and the EAS desktop application, ensuring real-time data synchronization
- Implemented best practices in system and database design, resulting in optimized query performance for high-volume transactional data in SQL Server
- Architected scheduled automated task workflows for critical business processes, reducing manual intervention and improving service optimization
- Collaborated cross-functionally with team members and project managers to deliver high-quality software solutions within sprint timelines, including frontend-no-code and backend-engineered components

Senior Software Engineer | **Invincix Solutions Pvt. Ltd.**

Chattogram, Bangladesh - Remote Mar 2024 - Mar 2025

- Analysed complex user requirements and architected implementation strategies that align with business objectives

- Developed and maintained scalable web applications using .NET technologies, ensuring improved code maintainability through clean architecture principles
- Modernized a legacy WPF data analytics platform to .NET and Angular for **Tibersoft** a US client, improving user experience and performance
- Created and consumed RESTful web services to extend application functionality and enable seamless third-party integrations
- Implemented best practices in system and database design, resulting in optimized query performance
- Architected dynamic configuration modules that streamlined feature deployment through reusable components
- Collaborated cross-functionally with team members and project managers to deliver high-quality software solutions within sprint timelines

Remote Software Engineer Expert | **Petronas Digital Sdn Bhd**

Chattogram, Bangladesh - Remote Oct 2022 - Feb 2024

- Collaborated with department stakeholders to gather and refine custom software requirements, ensuring alignment with user needs
- Implemented features for existing and new software, maintaining high system uptime through rigorous testing and monitoring
- Visualized system architecture holistically, ensuring scalable designs for future growth
- Maintained 99.9% system uptime during feature deployments and enhancements
- Reduced support tickets by 40% through comprehensive user documentation and training
- Conducted user training sessions and provided technical support, enabling a reduction of support tickets through comprehensive documentation
- Maintained detailed technical documentation and knowledge transfer materials for seamless feature adoption
- Participated actively in daily stand-up meetings and agile ceremonies to ensure alignment with cross-functional teams

Senior Software Engineer | **KDS Group**

Chattogram, Bangladesh Jan 2018 - Oct 2022

- Designed and developed custom software features that enhanced business process efficiency across multiple departments
- Improved business process efficiency by 30% through automated workflow implementations
- Reduced production bugs by 45% through integration testing and code review processes
- Performed comprehensive testing and debugging, reducing production bugs through proactive quality assurance
- Created detailed documentation and shared technical knowledge, mentoring junior developers on .NET best practices
- Mentored 4 junior developers, accelerating their productivity by 40%
- Successfully modernized two major legacy applications to a modern tech stack

Software Engineer | **Nexa Bangladesh**

Chattogram, Bangladesh Apr 2015 - Dec 2017

- Achieved a 95% on-time delivery rate for all feature implementations
- Translated user stories into production-ready application features with a high on-time delivery rate
- Identified and resolved bugs through root cause analysis, achieving 50% faster resolution times
- Implemented and maintained best practices for software architecture, reducing system complexity
- Reduced system complexity by 20% through architecture refactoring
- Maintained 90%+ user adoption rates for new feature rollouts
- Facilitated knowledge transfer sessions on emerging technologies, up skilling team members for improved project outcomes

Analyst - Microsoft Dynamics Navision | **GSL Export Ltd.**

Chattogram, Bangladesh Feb 2015 - Apr 2015

- Conducted system analysis of Microsoft Dynamics Navision to identify optimization opportunities that enhance performance
- Analysed the existing system to pinpoint areas for optimization
- Improved query response times by 30% through database optimization
- Maintained and optimized database performance, improving query response times
- Provided technical guidance on system enhancements to align with business goals and improve user experience
- Collaborated with stakeholders to develop solutions addressing evolving business requirements
- Delivered training sessions to end users, ensuring successful adoption of new features
- Achieved 100% successful user adoption for new feature implementations
- Maintained detailed documentation for future reference and system enhancements

Software Designer and Application Developer | **Saad Musa Group**

Chattogram, Bangladesh Apr 2014 - Jan 2015

- Successfully implemented two major enterprise systems adopted company-wide
- Delivered projects 15% ahead of schedule through efficient planning and execution
- Collaborated with project managers and stakeholders to deliver projects ahead of schedule
- Designed software architecture and implemented amendments efficiently as requirements evolved
- Participated in requirement analysis sessions to translate business needs into clear technical specifications
- Conducted thorough testing and debugging, achieving a high defect-free release rate
- Achieved a 98% defect-free release rate through integration testing
- Provided end-user training and post-implementation support, ensuring smooth system adoption
- Developed comprehensive documentation and established best practices for code reviews

KEY ACHIEVEMENTS

- **Modernization Impact:** Successfully led the modernization of 3 legacy applications (VB 6.0 to .NET Core / Angular), improving performance by 40% and reducing maintenance costs by 30%
- **Process Optimization:** Implemented automated workflows in HR and inventory systems that reduced manual effort by 35-40% across multiple organizations
- **Scalability Improvements:** Redesigned database architectures that improved query performance by 50% and supported data volume growth
- **Quality Assurance:** Reduced production bugs by 45% through implementation of code review processes and testing standards
- **Knowledge Transfer:** Mentored junior developers and conducted technical training sessions, resulting in 30% faster team on boarding
- **Client Satisfaction:** Maintained a 95%+ client satisfaction rating across all projects through consistent delivery and proactive communication

TECHNICAL SKILLS

Advanced: C#, .NET Framework / .NET, ASP.NET (Web Forms, MVC), ASP.NET Core (Web API, MVC), Entity Framework / EF Core, SQL, Database Design

Proficient: JavaScript, jQuery, TypeScript, Angular, Git

Familiar: Azure DevOps, Microsoft Azure, Cloud Computing, CI/CD

EDUCATION

B.Sc. in Computer Science & Engineering 2013
University of Science & Technology Chittagong, *Chattogram, Bangladesh*

Higher Secondary Certificate (HSC) 2008
Chattogram Laboratory School & College, *Chattogram, Bangladesh*

Secondary School Certificate (SSC) 2006
Bangladesh Community School & College, *Misrata, Libya*