



Date: 30th April, 2017

To Whom It May Concern

This is to certify that **K.H.M. Burhan Uddin** has worked as a Senior Software Engineer at **Nilavo Technologies Ltd.**, Dhaka, Bangladesh, as a full-time employee from **19th April 2011** to **30th April 2017** has proved to be a conscientious and hardworking individual. His designations and periods are following:

Designation	Period	Country
Junior Software Engineer	Apr 2011 –Jan 2013	Bangladesh
Software Engineer	Feb 2013 – Jul 2015	Bangladesh
Senior Software Engineer	Aug 2015 – Apr 2017	Bangladesh

For the past six years, he has handled the following duties with precision and enthusiasm:

- **Research & Development:**
 - Carrying out R&D for implementing new and experimental technologies
 - R&D for improving software development process with automation tools and other latest methodologies.
 - Researching to identify best practices to be followed
- **Problem Analysis and Solving:**
 - Analyze the existing system to understand the relationship between modules.
 - Perform detail problem analysis to provide proper solution for existing problem.
- **System and Architecture Design:**
 - Design database schema and entities and relations for projects.
 - Figure out optimized, improved and efficient solution to different features and modules of the existing system.
 - Design architecture for various software components using appropriate design patterns, OOP and other suitable methods.
- **Web Service/API design and integration:**
 - Design appropriate web services and APIs for service oriented architecture.
 - Integrate different 3rd party APIs and SDKs with existing system.
 - Securing API resources with appropriate authentication, authorization and validation mechanisms
- **Full Stack Software Development:**
 - Implement business logics for multifarious software components using programming languages like Java, JavaScript, C# and Python etc.
 - Design and implement required algorithms for software components.
 - Design and implement highly scalable features and components seamlessly in multiple platforms including both frontend and backend.
 - Integrating various open source libraries and platforms as required.
- **Testing, Maintenance & Improvements:**
 - Figuring out and providing fixes for software bugs of existing system
 - Finding out improvement, feature enhancements, performance optimization of existing software components.
 - Writing and performing unit & integration tests for new software components.





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He has been proved to be proficient in the following tools and technologies:

- Programming Languages: Java, JavaScript, C#, ASP.NET, Python, NodeJS
- Techniques: Design Patterns, ORM, Lambda Expressions, OOP, Functional Programming, Version Controlling
- Platforms and Libraries: Spring, Spring Boot, Struts, AngularJS, jQuery, Bootstrap, .Net, JSP, Tomcat, Ajax
- Database Systems: MySQL, PostgreSQL, MSSQL
- Web Services: Rest, Soap, WCF
- Operation Systems: Windows, Linux, Shell Scripts, OS Virtualization
- Tools: IntelliJ Idea, CVS, Git, Eclipse, Gradle, Maven, Ant

He has been involved in the following major projects:

- **Biscom Secure File Transfer:** An enterprise solution for securely transferring confidential files
 - Implemented directory structure in relational database
 - Created a web file manager from scratch
 - Implemented feature to upload very large files
 - Implemented feature to download a complete folder structure with gzip compression
- **Verosync:** A secure file sharing and synchronization solution for enterprise.
 - Designed architecture for audit logging with versioning messages using reflection
 - Implemented file download pause/resume using http range header spec
 - Implemented block by block decryption for random access of encrypted file
 - Implemented multi-threaded in browser downloader using JavaScript, web worker
- **Anvil EQ:** Anvil EQ is an on-demand equity management application specifically designed for private companies, their legal advisors, accountants and investors.
 - API design and testing
 - Implementing business logic
 - Frontend Integration

Through his performance, he proved himself capable of handling different technical aspects of software development. He is self-motivated, hardworking and competent. He has a positive attitude towards team mates and is adaptable to technological changes.

I believe, given the opportunity **K.H.M. Burhan Uddin** would be able to prove himself to be a valuable member of any organization. I wish him every success in his future endeavors.



Masih Ur Rahman
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Chairman

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