

# Moshiour Rahman

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## **Objective:**

A proficient and passionate software developer, seeking a challenging position in a reputed and well-established organization with opportunities in professional encroachment, personal enhancement and thus reaches the professional arenas by effectively utilizing acquired technical and analytical skills.

## **Experience Summary:**

- 5 years of experience in software development for Enterprise level applications using Java EE and other technologies.
- 4 years of working experience in financial solution (Banking & Microfinance)
- Hands on experience in ISS, Tomcat and JBOSS web servers.
- In depth knowledge of functionalities of a Banking System which includes detail understanding of Loan Management, Deposit Management, Cash Management and other banking functionalities as well as in Microfinance.
- Strong Programming skills, in designing and implementation of multi-tier applications using Spring Boot, Spring MVC, Java-J2EE, ASP.Net MVC, .Net Core, Node, Express, Struts, JSF, CDI, Spring Data JPA, JPA, Hibernate, Spring Rest, Spring Data JPA, Spring Security, Kafka, liquibase etc.
- Efficient in working with Dockerfile, Docker-Compose & Docker Containers.
- Extensive experience in working with Javascript/Typescript languages, frameworks, libraries and technologies such as React JS/ Angular.
- Extensive experience in working with CSS, html5, SASS and their frameworks such as Bootstrap, Semanti UI etc.
- Strong experience in all the phases of software development life cycle including requirements gathering, analysis, design, implementation, deployment and support.
- Experience in OOAD architecture and modeling and designing artifacts such as class diagram, sequence diagram and state diagrams using Enterprise Architecture.
- Experience in Native Android Development as well as hybrid app development using ionic framework.
- Highly experienced in working with Crystal Reports, RDLC Reports & Jasper Reports.
- Experience with testing framework such as Junit, Mockito, EasyMock, Cucumber etc.
- Experience of working in front end framework & tools such as jQuery, React JS, Angular, gulp, webpack, bower, grant etc. and comfortable with JavaScript testing framework such as Karma (unit testing) and Protractor (End to End Testing).
- Strong communication & relationship management skills, enthusiastic & self-driven, with a high degree of commitment.

- Hands on experience of Performance Test, Load Test and Stress Test using JMeter.
- Great Experience with Stored Procedures and Functions using T-SQL/PL-SQL
- Cohesive team worker, having strong analytical, problem solving and interpersonal skills.

## **WORK EXPERIENCE:**

- **Innovative Solutions.**

**September 2017 – Current**

Designation: Sr. Java Developer (Team Lead)

Responsibility:

- (i) Requirement Analysis
- (ii) Data modeling in three steps (Conceptual Level, Logical Level, Physical Level)
- (iii) Use Case modeling and writing, Making Activity Diagram
- (iv) Design and integrate Data Access Layer (DAL), Business Logic Layer (BLL) and User Interface (UI) in n-Tire Framework.
- (v) Making Basic Building Block (Database Utility, User Authentication and Verification, Common User Verification & Authentication System etc).
- (vi) Coding, Bug Fixing, Fine Tuning, Code Review  
Architectural design (both High & Detail design)
- (vii) Coordinating along with team members as well as Management and Other people somehow related to the project.

### **Projects:**

#### **Freeway (Phase 1)**

Working with the development of freeway (A modern solution for modern transport System).

### **Technologies:**

Application Framework: Spring Boot

Microservices Technology Stack:

- API Gateway – Spring Cloud Gateway
- Centralized Configuration – Spring Cloud Gateway
- Distributed Tracing – Spring Cloud Sleuth
- Declarative HTTP Client- Spring Cloud OpenFeign
- Service discovery- Spring Cloud Netflix Eureka
- Circuit Breaker- Spring Cloud Netflix Hystrix
- Client Side load balancing- Spring Cloud Netflix Ribbon

Web layer: Spring MVC

Service layer: Spring IOC

ORM layer: Spring Data JPA

Security: Spring Security

Database: Postgres, MongoDB, Mysql

Application Server: Tomcat (Embedded)

### **Front-end:**

1. Angular 6 & React JS (Typescript / ES6)
2. Material UI

### **Tools/ Technologies:**

1. Gradle as build tool
2. Docker
3. Junit for Unit testing

4. Selenium for Regression testing
5. Team City for Continuous integration
6. IntelliJ idea/ Vscode as IDE
7. Docker, webpack, node, yarn etc.

- **Southtech Limited.** **June 2016 – September 2017**

Designation: Sr. Java Developer (Team Lead)

Responsibility:

- (viii) Requirement Analysis
- (ix) Data modeling in three steps (Conceptual Level, Logical Level, Physical Level)
- (x) Use Case modeling and writing, Making Activity Diagram
- (xi) Design and integrate Data Access Layer (DAL), Business Logic Layer (BLL) and User Interface (UI) in n-Tire Framework.
- (xii) Making Basic Building Block (Database Utility, User Authentication and Verification, Common User Verification & Authentication System etc).
- (xiii) Coding, Bug Fixing, Fine Tuning, Code Review  
Architectural design (both High & Detail design)
- (xiv) Coordinating along with team members as well as Management and Other people somehow related to the project.

- **Southtech Limited.** **June 2014 – June 2016**

Designation: Junior Analyst Programmer.

Responsibility: Same the Above

**Projects:**

**Ascend Financials (Phase 2)**

Working with the development of ascend financials (A financial solution for the bank, micro-finance & other financial organizations). Designed and implemented the component based project architecture.

**Technologies:**

Web layer: Spring MVC  
 Service layer: Spring IOC  
 ORM layer: JPA2.1, Hibernate4.3  
 Integration layer: JAXWS  
 Database: MS SQLSERVER  
 Application Server: Wildfly 8.2

**Front-end:**

1. HTML5
2. CSS3 (Bootstrap)
3. JavaScript (Angular JS & JQuery).

**Tools/ Technologies:**

1. Maven as build tool
2. Junit for Unit testing
3. Selenium for Regression testing
4. Jasmine and Karma for angular unit testing and End to End testing
5. Jenkins as continuous integration
6. IntelliJ idea as IDE

**Application Name: Agent Banking for Microfinance (MFI)**

Details: Agent banking means providing banking services to the unbanked people by an agent.

**Technologies:**

Web layer: JSF 2.2  
 Service layer: CDI, EJB  
 ORM layer: JPA, Hibernate  
 Integration layer: Soap, Rest, RMI  
 Database: MS SQLSERVER  
 Application Server: Jboss wildfly  
 Security: Apache Shiro

**Responsibilities:**

Design, Development & Integration of this application.

**Ascend Financials (Mobile):**

Technology stack that we have used for this project are following.

1. Android (Java)
2. Spring Rest
3. Spring Data JPA,
4. Spring Rest
5. Jenkins etc.

**Ascend Banking:**

Worked in several enhancement of Ascend Banking (A powerful banking system for retail and commercial banks as well as sophisticated microfinance institutions (MFIs))

Technology used.

1. MSSQL,
2. C#
3. ASP.NET MVC etc.

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**Training Summary:**

Training Title	Topic	Institute	Country	Location	Year	Duration
FTFL (First Track Future Leader) Specific Training [1st batch] ASP.NET MVC 5	Advance C#, Version controlling, Unit testing, MVC 5, Database designing, Object Oriented Programming etc.	BASIS Institute of Technology & Management (BITM)	Bangladesh	BDBL Bhaban, 12, Kawran Bazar, Dhaka-1215	2014	400 Hours (2 months)
Foundation Training Course for FTFL [1st batch] (1 Month Residential)	Soft Skill, Project Management, Negotiation Skills, Software development life cycle, Business-model etc.	Bangladesh Academy for Rural Development (BARD)	Bangladesh	Bangladesh Academy for Rural Development (BARD)	2014	1 Month Residential
Microcontroller		Engineering Staff College, Bangladesh(ESCB)	Bangladesh		2013	36 hours

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**Programming Language Knowledge & Skills:**

**Programming & Scripting Language:** Java, JavaScript, Python, C#, HTML5, SQL, PL/SQL etc.

**Frameworks:** Spring, React JS, Angular, JQuery, ASP.net MVC, Django, Android,Flutter etc.

**Tools:** Docker, IntelliJidea, Webstrom, Arduino, Pycharm, Visual Studio, Eclipse, SVN, Git, Enterprise Architecture, MSSQL Management Studio, Jenkins ,Sql developer, Tortoise SVN etc.

**Build System:** Maven, Gradle, Jenkins etc.

**Operating Environments:** Linux, Windows 7//8/8.1/10, Ubuntu, Linux Mint, Kali Linux etc.

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### **Academic Qualification:**

- **B.Sc. in Electrical and Electronic Engineering**  
Department of Electrical and Electronic Engineering  
East West University, Dhaka  
CGPA: Obtained 3.0 on a scale of 4.0  
Passing Year: 2014
- **Higher Secondary Certificate (H.S.C.)**  
College: Government Science College  
Board: Dhaka Board  
Examination Year: 2008  
GPA: Obtained 5.00 on a scale of 5.0
- **Secondary School Certificate (S.S.C.)**  
School: Uttara High School  
Board: Dhaka  
Examination Year: 2005  
GPA: Obtained 4.63 on a scale of 5.0

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### **Final year thesis:**

We have the Effect of Bias Polarity on the DC Electrical Characteristics and Short Channel Effect of Silicon Nanowire. TCAD tool (Silvaco) used for the formation of structure and a large range of simulation for different channel length and for different doping was done to come to an observation.

Thesis Advisor: Dr. Mohammad Mojammel Al Hakim

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### **Personal Information:**

- Father's Name : MD. Jamal Hossain
- Mother's Name : Kohinoor Akhter
- Date of Birth : 1<sup>st</sup> January, 1991
- Present Address : House#32, Road#10, Sector#09, Uttara, Dhaka-1230, Bangladesh
- Nationality : Bangladeshi by born
- Religion : Islam
- Blood Group : AB (Positive)

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**Language Proficiency:**

- Bangla (Speaking, Reading and Writing)
- English (Speaking, Reading and Writing)

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**References:**

- Dr. Mohammad Mojammel Al Hakim  
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Department of Electrical & Electronic Engineering  
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