

Mafuzul Hoque

US Permanent Resident [Green Card]

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EXPERIENCE SUMMARY

- **12+ years** of experience in all phases of **Software Development life Cycle (SDLC)** including Analysis, Design, Development, Testing and Maintenance with different platforms and tools.
- **N-tier** and distributed **Desktop & Web Based** Application development.
- **Enterprise Application** Development using **Java/J2EE, Swing, AWT, ODBC, Threads, WebSphere, Apache (common API), SQL, VC++/C++/C, PHP (OOP), JavaScript (OOP), AJAX, JSON, JSON-RPC, REST, XML, CSS 3, HTML 5, Canvas, WebWorker, WebSocket.**
- Integrated Development Environments such as **Eclipse, IBM RAD, Visual Studio 7.1, Zend Studio for Eclipse.**
- Strong database development skills using Database Servers such as **MySQL** and hands on experience with **SQL.**
- **AccuRev, Subversion/SVN, CVS** as version control and **Jenkins** as Build & Deployment Tools.
- Able to analyze, design and develop solutions using the **Structured** and **Object Oriented Analysis and Design (OOAD).**

TECHNICAL SKILL

Java & J2EE/J2SE	: J2EE, Java, Swing, Threads, SwingWorker, Applets, Strings, Spring Framework 3.1, Java Collection Framework, I/O Streams, Third party libraries.
PHP	: 4&5, OOP, Class, Security, Session, File I/O, SimpleXMLElement, cURL, Memcache.
Markup Languages	: XML, HTML 5, Canvas, WebSocket, WebWorker, CSS 3, JavaScript(OOP), Ajax, JSON.
Web Servers	: WebSphere, Apache, Tomcat, IIS.
Testing Tools	: JUnit, PHPUnit.
Source Control	: AccuRev, Subversion/SVN, CVS.
Development Tools	: Eclipse, IBM RAD, MyEclipse, Forte for Java, Visual Studio 7.1, Zend Studio for Eclipse - 6.1.2, DreamWeaver, MS Front Page.
Databases	: MySQL 4&5, MS Access.
Other Languages	: VC++(MFC), C++, C, PHP, Pascal.
Operating Systems	: Windows 7/XP/98/2000, Windows NT, MS-DOS, LINUX.
Database Tools	: EMS SQL Manager, Navicat.
Bug Track tools	: HP ALM Quality Center, FireBug, Developer Tools for IE.
Modeling Language/Tools	: Visio.
Others	: Agile Software Development, Refactoring, SOAP UI.

PROFESSIONAL EXPERIENCE

Software Engineer

Mar 2015 – Present

HRC LLC, Santa Clarita, CA.

PROJECT: LDV

Description: LDV is an engineering analysis, design & project management software. The application incorporates grid computing and can be deployed over the internet. Technologies used are distributed client server architecture, **Java (Threads, Swing, 2D/3D graphics and databases.**

My Responsibilities with Project details:

- **Created** new modules and **updated, maintained** existing modules.
- Worked individually or with the team members in designing and exploring solutions.
- Designed and developed GUI Dockable Framework, Custom Tabbedpane, custom Treepane, etc using SWING components.
- Designed and developed Swing 2D Graphics module.
- Designed and developed Plot module.
- Designed and developed Equation module.
- Designed and developed Script module.
- Designed and developed FTP File Explorer module.
- Designed and developed Systems module.
- Designed and developed Custom Effects module.
- Designed and developed Rectangular Gradient.
- Designed and developed SQL Database using XML file.
- Designed and developed several custom components and panels such as 2/3 state buttons, floating panels, color-&-gradient panels, color button like MS Words, etc.
- Tested application system.

Environment: **JAVA, Swing, AWT, RMI, Threads, Web Service, JDBC, Java 2D/3D graphics, XML, CVS.**

PROJECT: GOP Plus

Description: A comprehensive web based software which will be use as a "hotel tool" to maintain hotel's budgeted GOP (Gross Operating Profit) based on the business climate changes. The software goal is to maintain flow through even the business unexpectedly dropped by instantly reducing expenses to maintain the budgeted GOP.

My Responsibilities with Project details:

- **Created** new modules and **updated, maintained** existing modules.
- Analyze user requirements, prepare software requirement documentation and design workflow.
- Create class diagram, sequences diagrams, activity diagram and workflow diagram to improve the understanding of the requirements.
- Design, develop, test and deploy systems and processes.
- Prepare mock user interface for client verification.
- Design and developed database schema.
- Develop User Interface using **HTML5, CSS3, JavaScript(OOP), AJAX, JSON, JSON-RPC, JQuery.**
- Develop Server side components using **PHP(OOP).**
- Followed **MVC** pattern guidelines in the whole Software Development Lifecycle (SDLC).
- Work closely with Q/A team for testing.
- **Environment: PHP 5(OOP), MySQL 5, HTML5, Javascript(OOP), Ajax, JSON, JSON-RPC, XML, CSS3, JQuery, Apache, Zend Studio** for Eclipse - 6.1.2.

Software Engineer

Aug 2013 – Feb 2015

Verizon Wireless, Warren, NJ.

PROJECT: MY VERIZON MOBILE (SELSERVER)

Description: My Verizon Mobile is self serve mobile application which reduces *611 call (Customer service) by providing various functionalities so that user can manage his/her account. It allows *Instant Account Access* from **Smartphone, Feature phone** and **Tablet** and allow user to (*not limited to*):

- View and update account info
- Monitor usage of data, minutes and messages

- Pay bill, view past payments, and set up paperless billing
- Change plan or features

My Responsibilities with Project details:

- Developed code with **Java/J2EE, Spring, Javascript, CSS, JQuery, Mustache**.
- Created necessary documents, flowcharts, test cases and power point presentations.
- Continuous development by adding new and updating existing features.
- Unit test on development environment.
- Coordinate with Business Analysts, Quality Assurance, Server development Team to solve issues.

Features, I have worked with:

- Pay Bill Overhaul (Rewrite Payment System)
- Auto Pay Enhancement
- Review and Cancel Scheduled Payments Enhancement
- RYL and Employment Validation Enhancements
- Tablet data promotion
- False Bottom Prevention
- Isis Wallet Block Feature
- Stackable Data
- Prorated Usage Alert Alignment
- Campaign Links
- Tablet Registration
- Precision Opt-in
- More Everything Connection Day - Data Pass
- 800 APN Sponsored Data (Sponsored Data)
- Top 4 Optimization (Change Billing Address & Call Forwarding)
- Pending Orders
- Forgot Password Flow Changes
- Promotions Intercept Page

Environment: **J2EE, Eclipse, Spring 3.1, WebSphere, Tomcat, Javascript (OOP), JQuery 1.6, Mustache, HTML 5, CSS 3, Log4j, Maven, AccuRev, Jenkins, JUnit, HP ALM Quality Center, Web Services.**

Software Engineer
HRC LLC, Santa Clarita, CA.

Jul 2012 – Jul 2013

PROJECT: LDV

Description: LDV is an engineering analysis, design & project management software. The application incorporates grid computing and can be deployed over the internet. Technologies used are distributed client server architecture, **Java** (Threads, **Swing, 2D/3D graphics** and **databases**).

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- Tested application system.

Environment: JAVA, Swing, AWT, RMI, Threads, Web Service, JDBC, Java 2D/3D graphics, XML, CVS.

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Software Engineer

Jun 2011 – May 2012

FedEx, Dallas, TX.

PROJECT: FPOS-R AND POINT OF SALE (LEGACY POS)

Description: FPOS-R is point of sale in FedEx Retail system. The purpose of this project is to expand the customer shipping experience at FedEx Express (FXE) and FedEx Office (FXO) retail locations by allowing customers direct access to shipping and related capabilities and improve cost savings and internal efficiencies by removing the need for a paper Airbill. Its feature include create new shipments, handle pending shipments, stop shipments, sale merchandises. It can accept credit cards, cash, check, CAS card as a valid payment.

FPOS-R has two **Sub Projects:**

1. **ShipSite for FedEx Retail (SSFR):** Ship Site for FedEx Retail is a kiosk that is to be located in FedEx Express and FedEx Office location for customer.
2. **ShipSite Manager (SSM):** Ship Site Manager will be used for accessing SSFR functionality behind the retail counter for FedEx agent. It has additional functionality than SSFR. It will be attached as a separate module in **POS**.

My Responsibilities with Project details:

- Developed code with **Java, Java Swing** and **J2EE**.
- Created necessary documents, flowcharts, test cases and power point presentations.
- Developed and managed UI with Java Swing to support for both **Touch screen** and **Normal screen**.
- Designed and developed **screens flow controls**.
- Managed multi threading environments, used **SwingWorker** for web-service/backend calls.
- Managed **Synth** tool and files to manage application support for **multiple resolutions**.
- Developed application to support International languages.
- Used **WebService, ESB** and **SOA** to use server side.
- Used **WOSV** to access and store information in Database.
- **Refactored** code for improve design and code.
- Developed the application using **Eclipse** for Java and J2EE.
- Implemented and used **Maven** and **Ant** as the build platform for the project.
- Used Factory pattern, singleton pattern, decorator pattern, **MVC** pattern.
- Developed and managed legacy **POS**.
- Made legacy **POS** compatible to add/attach **SSM** as module.
- Managed two different **UIs** for both legacy **POS** and **SSM**.
- Added decoupling capabilities.
- Managed configuration and properties files.
- Worked individually or with the team members in designing and exploring solutions.
- Helped team members to solve their problems.

Environment: **Java, Swing, SwingWorker, MigLayout, J2EE, Eclipse, SOAP, SoapUI, Apache CXF, JAXB, DOM, XMLSpy, Log4j, Maven, Ant, SVN, JUnit, HP ALM Quality Center, Web Services.**

Software Engineer
HRC LLC, Santa Clarita, CA.

May 2010 – Jun 2011

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Software Engineer

Dec 2007 – Apr 2010

IT-MATRIX BD LTD., Dhaka, Bangladesh.

PROJECT: Xschedule

Description: Xschedule is schedule management software. The application incorporates maintaining schedule over the internet from various location. Technology used is distributed client server architecture using **Java (Threads, GUI (Swing), and 2D graphics)** and **databases**.

My Responsibilities with Project details:

- Worked individually or with the team members in designing and exploring solutions.
- Designed and developed GUI and components using Swing, AWT.
- Designed and developed schedule, reporting engines and database.

Environment: JAVA, Swing, Threads, Java 2D graphics, XML, MySQL, CVS, Visio.

Software Engineer

Mar 2004 – Nov 2007

Genuity Systems, Dhaka, Bangladesh.

<http://www.genuitysystems.com>

<http://www.genusys.us>

PROJECT: BAMS

Description: Business Accounts Management Systems (BAMS) is an in-house accounts management software of Genuity Systems, One of the Bangladesh's leading VOIP software provider. It is full featured accounts management systems, developed in client-server architecture. Its input module is a desktop application built using VC++ and reporting module is a web based application using **PHP, HTML, CSS, Javascript**.

My Responsibilities with Project details:

- Analyzed and documented user requirements.
- Prepared functional and technical specification documents for the system.
- Created class diagrams and sequences diagrams to improve the understanding of the requirement.
- Implemented application using n-tier architecture. Presentation layer, Control Layer, Business logic layer and data access layer.
- Prepared mock user interface according to use case document for user verification.
- Developed the desktop application using VC++ in Visual Studio 7.1 (MFC) environment using n-tier architecture.
- Developed the web based application using **PHP, HTML, CSS, Javascript**.
- Designed database schema.
- Wrote SQL Prepared Statements for resolving performance issue.

Environment: Visual Studio 7.1 2007, Multithreading, **PHP 4.3, HTML, CSS, Javascript, MySQL 5.0, Apache, SVN, Visio.**

OTHER PROJECTS:

- **gFax** : Web based faxing system: VC++ (MFC), **PHP, JavaScript, MySQL.**
- **RMS** : Rate managing software: **PHP, JavaScript, MySQL.**
- **gPlaner** : Scheduler managing software: **PHP, JavaScript, MySQL.**

EDUCATION

Bachelor of Science in **Computer Engineering.**
American International University Bangladesh (AUIB).
GPA 3.90/4.00.

April 2003

References

Will furnish upon request.