

Name: Aishwarya Sharma
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Summary

- Software developer with experience in full software development life cycle for developing applications, user interfaces, data services and business logic.
- Knowledge and experience in both traditional and agile development methodologies.
- Excellent written and strong interpersonal communication skills with experience in creating software requirements, functional design specifications, use cases and activity diagrams.
- Good experience with technologies like **Java, J2EE, JSP, Servlets, .NET(C# and VB)** as well as **C/C++**.
- Expertise with **Eclipse, NetBeans, Code::Blocks** and **Visual Studio** IDE's.
- Experience in deployment of the **J2EE** applications on **Apache Tomcat and Jboss EAP**.
- Experience in using web services, both **REST** and **SOAP**.
- Experience in deployment of the **.NET** applications on **IIS**.
- Experience with **JUnit** in performing unit testing and determining the application functionality.
- Experienced in using mocking frameworks like **Mockito** and **Powermock**.
- Hands-on experience is using reporting tools and frameworks like **Jasper**.
- Proficient in RDBMS systems like **MySQL** and **MS SQL Server**.
- Experience with version control software like **SVN** and **Git**.
- Hands-on experience in designing web pages using **HTML, Java Script, CSS**.
- Hands-on experience with content management systems like **Wordpress and Joomla**.
- Excellent **Object Oriented programming** skills and problem solving capabilities.

Education

- **Masters in Computer Science** – State University of New York, Albany, New York, USA.
- **Bachelors in Computer Science & Engineering** – Galgotias College of Engineering & Technology, Greater Noida, Uttar Pradesh, India.

Skills

- Programming Languages: **Java, C/C++, Python, C#** and **VB**(with **.NET framework**)
- Java Frameworks: **Spring, Struts** and **Hibernate**
- Java Testing Frameworks: **JUnit, Mockito** and **Powermock**
- Reporting tools: **JasperSoft Studio, Jasper Reports Server** and **Jasper Reports Library**
- Web: **HTML, CSS, JavaScript**
- Web Services: **REST(RESTEasy)** and **SOAP**
- Web Servers: **Tomcat** and **JBoss EAP**
- Database: **MySQL, SQL Server, Oracle 10g/11g**
- Operating Systems: **Windows(95/98, 2000, XP, Vista/7/8), Linux(Ubuntu, Red Hat, openSUSE)**
- Revision Control System: **Git, SVN**
- Cloud Services: **Amazon Cloud/AWS(EC2 and S3)**

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- IDE: Eclipse, NetBeans, Visual Studio, PyCharm, Code::Blocks and Notepad++

Experience (2 years+)

2014 – Present: Infosys:

Role: Systems Engineer and Business Analyst

Description: Infosys is a global leader in consulting, technology, and outsourcing solutions. They enable clients in more than 50 countries to outperform the competition and stay ahead of the innovation curve.

Client – DTCC/Clariant

Technologies Used: Java, Hibernate, JUnit with Mockito/Powermock, JBoss server(EAP 6.1), REST(RESTEasy), Oracle 11g(with SQL Developer) and Jasper Reports

Responsibilities:

- Implemented security checks in the back end to prevent SQL injection attacks.
- Implemented JUnit tests(with Mockito/Powermock) to test code completeness.
- Worked with Jaspersoft Studio, Jasper Reports Server and Jasper Reports Library to implement reporting on the back end.
- Assisted project manager with tracking project progress.
- Created document artifacts(Systems and Specification documents).
- Helped coordinate large projects with several other department managers and staff.

2013 – 2014: New York Prosecutors Training Institute:

Technologies Used: Visual Basic/C# .NET and SQL server 2008, Wordpress, PHP, HTML, CSS.

Role: Software Developer

Description: The New York Prosecutors Training Institute, Inc. (NYPTI) is a not-for-profit corporation created in 1995 by the District Attorneys Association of the State of New York. NYPTI's mission is to provide comprehensive continuing legal education, training, advice, and assistance to New York State prosecutors.

Responsibilities:

- Added/Edited UI components(HTML/CSS/.NET tags as well as JavaScript components) in web applications.
- Maintenance of back end components which included bug fixing code and adding new functions/features to the applications.
- Tested web sites using **Selenium** and **iMacros** for Firefox.
- Database maintenance which involved maintenance of data tables, stored procedures and functions.
- Created a Wordpress plugin, using PHP, to integrate their e-zine with their Single Sign-On(SSO) portal.

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Academic Projects

- Designed, developed and tested **Albany Market**, an online store, using **J2EE** and **MySQL**, deployed on Amazon **EC2** and **S3** and tested using **Selenium**.
- Designed, developed and tested **Project Switch**, an online portal that can be used by employees of any store to swap their work schedules, using **PHP** and **MySQL** deployed on a **WAMP** server.
- Analyzed and improved **SimpleDB** functionality using **Java**.
- Extended **Lucene** search engine to use new search algorithms.
- Designed, developed and tested a **First Person Shooter** game using the **Unity game Engine(JavaScript)**.
- Developed an **HTTP server** using Java to service simple HTTP requests.
- Developed **FTP client/server** to exchange files using **Java**.
- Developed a **File Reverser** program using **C++** on **openSUSE**.
- Developed a custom version of **Tetris** in **C++** on **RedHat Linux**.
- Developed a GUI based **Banking System** simulation in **C++** on **Ubuntu**.
- Developed a text-based **Airline Reservation System** simulation in **C++** on **RedHat Linux**.