Atanu Banerjee

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**Professional Summary:**

* More than 8 years of experience in design, development, testing and deployment of multi-tier enterprise applications.
* Experience in providing **production support** and debugging for existing applications.
* Conversant with **SDLC**s used in project management like **Waterfall**, **Agile** and custom-based projects.
* Experience in **Continuous Integration** platforms using **Jenkins, Maven**, also integrated third-party **API**s and tools with the existing application.
* Strong **back-end** development skills involving writing new **Java/J2EE** classes from business objects, service layer, DAO layer and **SQL** queries to create new functionalities and modules as per business requirements.
* Extensive experience with different **RDBMS** systems like **ORACLE**, **Sybase**, **DB2**, **PostgreSQL** and **MS Access,** together with writing **PL/SQL** queries, stored procedures, triggers and indexes for web applications.
* Expertise in frameworks like **Struts**, **Spring** and **Hibernate/iBatis,** with implementing MVC architecture, writing controller classes, AOP, logging and using tag libraries for developing efficient web applications.
* Involved in creating reports as per business request which helped in creating a clear picture for business strategies and planning.
* Extensive experience in design, development and deployment of multi-tier enterprise applications for J2EE platform/SOA using Java, JDBC, Servlets, EJB, Struts, Tiles, Tag Libraries, Hibernate 3.0,and XML.
* Extensive experience in programming, deploying, configuring, fine-tuning and administering middle-tier popular **J2EE** Application Servers like **Apache Tomcat**.
* Expertise in Web Front End technologies, **Spring2.5, Struts1.2, Tag Libraries, Struts custom validation rules, Tiles, JSTL, Java Script, DHTML, XML/XSL**.
* Strong Communication Skills and Excellent Customer Relations in Collecting and Analyzing user requirements.
* Experience with Software Development Methodologies like **SDLC, Object Oriented Analysis** and **Design (OOAD/ OOSD), Agile Software Development, Scrum Methodology**.
* Proficiency in programming with different Java IDE's like **Eclipse.**
* Experienced professional for Object Oriented design using J2EE Gang of Four (**GOF**) Design Patterns and for UI development.

**Technical Skills:**

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| **Java Technologies** | Java, J2EE, Servlets, JSP, JPA, EJB, Multithreading, RMI, JDBC, JNDI, Java Mail. |
| **Web Technologies** | HTML, XML, DHTML, XSL, XSLT, JavaScript, JAX-WSDOM, SAX, SOAP. |
| **Frame Works** | Struts1, Spring2.5, Hibernate, Maven, ANT, Jenkins |
| **IDE** | Eclipse, Net Beans |
| **Operating System** | Unix, Sun Solaris,Linux and Windows NT/2000/2003/XP/7. |
| **Languages** | C, C++, Visual Basic, PL/SQL, UNIX Shell Scripting, PYTHON. |
| **Databases** | Oracle 11g/10g/9i/8i,PostgreSQL,Sybase, My SQL, MS-Access,DB2. |
| **Testing Tools** | JUnit 3.8/4.0, JStyle, JProbe, SOAPUI, RESTClient, Jprofiler, PAROS |
| **Servers** | WebSphere 7.0,WebLogic 10,Jboss Tomcat 4.x/5.x |
| **Software Packages** | MS Office 2010, MS Visio, MS Front Page, MS Project Planner. |
| **Project Management** | MS Project, Resource and Project Plans, Estimation, Code Delivery, Coordination |
| **Source Control** | Sub-Version (SVN), Clear Case, CVS/PVS, GIT |
| **Webservices** | Apache Axis, SOAP, WSDL, REST, JAX-RS, JAX-WS |

**Professional Experience:**

**Samsung SDSA, Ridgefield Park NJ Oct 2015 – till date**

**Project: Samsung US Website, WCMS (Content Management System)**

Worked on enhancement, new business requirements related to the Samsung US website and WCMS (Teamsite based content management system). Worked in separate applications supporting Samsung Operations like Webservices, Batch jobs, DB update based applications. Also worked extensively on bug-fixes and production issues for both the systems involving immediate fast paced development.

**Role & Responsibilities:**

* Developed new modules and functionalities for **WCMS** and **US Website** which uses frameworks like **Struts, Spring and iBatis/ Hibernate** in an integrated way to form the application.
* Experienced in MVC architecture, together with different design patterns for web applications.
* Used iBatis as a persistence framework to perform **CRUD** operations and wrote **SQL** queries for **Oracle DB**. Worked on writing **triggers, packages, indexes** for different tables together with some tuning.
* Used different frontend technologies like **HTML, CSS, AJAX, JSP/ JSTL** to put new pages and enhancements for the Samsung website. Good exposure with **Chrome developer tools** and emulators for frontend debugging.
* Worked on responsive design pages, involving different views for desktop, ipad and mobile. Wrote **Jquery** and **AngularJS** based function for several UI functionalities like filters, carousels and different DOM modifications for best user experience and a cutting edge website appearance.
* Familiarity with **NoSql/ MongoDB** and **JCR** based content repository systems**.**
* Experienced in extensive Backend and Frontend debugging, used while dealing with Production Issues.
* Worked on **RESTful** Webservices to present data in **XML** and **JSON** formats for different urls based on different logical conditions.
* Experience with **MQ**  and **JMS** based systems.
* Developed Java classes to set necessary parameters to session, setting cookies, etc. to provide different aspects of user login, authorization check, url redirection etc.
* Familiarity with **Continuous Integration/ Automated Build** environment using **ANT, Maven, Jenkins, Teamsite.**

**BNY Mellon (Pershing LLC), Jersey City NJ March 2015 – Sep 2015**

**Role: Java/J2EE Developer**

**Project: NetX360**

Worked on a key application related to BNY Mellon business which handles client investment, documents, etc. The application uses iNautilus framework with IBM CMOD as content manager, DB2 as backend database, JSP, HTML in the frontend.

**Role & Responsibilities:**

* Extensively involved in Object Oriented Analysis and Design (**OOAD/ OOSD**), bug fixes and documentation.
* Worked on developing backend Unix Korn shell (**ksh**) scripts involving data extraction from Oracle database, data massaging, and making data files. Also worked on data parsing from files and loading data into DB2 databases.
* Experience with **Autosys**  for scheduling services.
* Experience with **EJB, Spring** implementing **MVC** framework.
* Developing application from scratch to automate query generation and execution for DB tables. Application involves **JSP, HTML, CSS** in frontend, JQuery and AngularJS for client side validations, creating dynamic form entrees, Hibernate is used in the persistence layer. **Core Java** classes are developed as a part of the service layer and business/ automation logic and Servlets as controllers.
* Used **ANT** scripts for automating building and deployment processes of the application.
* Provided solutions for bug fixes in this applications.
* Experience with **MQ**  and **JMS** based systems.
* Tested performance for queries & procedures in the database.
* Used **Clearcase** as a version-controlling tool, code repository and migration tool for managing the module developments.
* Familiarity with **Continuous Integration/ Automated Build** environment using **ANT, Maven, Jenkins.**

**Fannie Mae, Columbia, SC April 2014 – March 2015**

**Role: Java/J2EE developer**

**Project: Loan Delivery, Additional Data Elements and Deal Factory**

Worked on key external and internal user based Fannie Mae applications in the role of developer as well as production support. The application consists numerous functional applications and modules involving different technologies like Struts, Spring, Hibernate. Worked mainly in the front-end enhancements with fixing SCA/ TRAM issues involving security of the application from unwanted users. Also carried detailed analysis, debugging of backend scripts for running reports, integrating third party vault system to retrieve user IDs and passwords for security. Developed migration scripts for deploying modules, configuration files to different application, data and web servers for lower and higher environments. Highly conversant with SDLC templates and used to maintain KT documents and coordinating with different teams for testing and solution specifications.

**Role & Responsibilities:**

* Extensively involved in Object Oriented Analysis and Design (**OOAD/ OOSD**), bug fixes and documentation.
* Worked in both **Agile and Modified Waterfall** methodology of software development using practices of short iteration **sprints** and **scrum.**
* Created a Front-end application using **Swing**, **JSPs**, **Tiles**, **AngularJS, JQuery, Struts, Spring** and used **Hibernate** and **JDBC** to establish connection to database**.**
* Heavily used **Struts Tag Libraries, Exception handling, Validators** in struts development and developed client side validations using **Javascript(JQuery/ AngularJS)**.
* Debugging and fixing security related issues (e.g.. **session fixation**, **X-frame scripting**, etc.) and performed testing using **PAROS** and **Junit**. **Log 4j** is used for logging.
* Experience with programming Java in **BEA Weblogic** application server.
* Used **ANT** scripts for automating building and deployment processes of the application to **Web**, **Application** and **Data** servers for all lower and higher environments.
* Worked on **Sybase** and **Oracle** databases and **Unix, Linux, Solaris** and **Windows** based server with good expertise in **shell scripting**.
* Familiarity with **EJB** and transaction management.
* Created **standalone Java programs**, **unix scripts** to read data and insert data into the Database integrating different applications for reports to run. Used  **Autosys**  for scheduling.
* Developed and provided support to many components of this application from end-to-end, i.e. Front-end (View) to Web Methods and Database**.**
* Provided solutions for bug fixes in this applications.
* Tested performance for queries & procedures in the database.
* Used **Clearcase, SVN Tortoise, CVS, iCART** as a version-controlling tool, code repository and migration tool for managing the module developments.

**UPS, Alpharetta, GA Mar2013 - April 2014**

**Role: Sr. Java/J2EE developer**

**Project: Address Validation Software Development Kit**

This J2EE/SOA application has a volume of 35 million transactions per day with a 200% volume growth over the past 4 years. The application consists of over 30 distinct functional applications utilizing **Struts** as the MVC framework, **Spring** for DI and **Hibernate** integration as DAO. The tools and web services included in this project were Ship, Rating, Tracking, Time In Transit, Delivery Change Request, Paperless Document API, Address Validation, Street Level Address Validation, Freight Ship, Freight Pick Up, Small Package Pick Up and so on. Designed and developed Address Validation Software Development Kit for International Address Validation which includes – European Union, China, Japan, South Korea, India, Australia, Brazil, Argentina, Mexico, Canada and UK**.**AVSDK is an inline jar consumed by several internal UPS Clients like Campus Shipment, Open Account Engine and others. AVSDK accepts address validation inputs from clients and forwards it to CTM (Corporate Town Master) component. AVSDK analyzes the results from CTM, further carries out validation on the results, filters it and sends back response to requesting clients.

**Role & Responsibilities:**

* Extensively involved in requirement **analysis**, **design** analysis, **bug fixes** and documentation.
* **Agile** methodology of software development using practices of short iteration sprints and **scrum.**
* Used web services for interaction between various components and created **SOAP** envelopes.
* Created a Front-end application using **JSPs, Tiles** and **Struts MVC** for registering a new clients and configured it to connect to database using **Hibernate.**
* Heavily used **Struts Tag Libraries, Exception handling, Validators** in struts development.
* Developed client side validations using **Javascript, Jquery**.
* Performed unit testing using **Junit** and **Log 4j** is used for logging.
* Worked on **PostgreSQL** databases and **Unix, Linux, Solaris** and **Windows** based server with good expertise in **shell scripting**.
* Used **Maven** for building of the application
* Discussed **Microsoft SQL Server 2008** tables including **Sequences**, **Functions**, **Procedures** and Table constraints with DBAs during design phase.
* Created standalone Java programs to read data from several **XLS** files and insert data into the Database as needed by the Testing team.
* **Ant** Build tool configuration for automation of building processes for all types of environments – **Test**, **QA**, and **Production**.
* Developed and provided support to many components of this application from end-to-end, i.e. Front-end (View) to Web Methods and Database**.**
* Provided solutions for bug fixes in this application.
* Tested performance for queries & procedures in the database.
* Used **Rationalsynergy** as a version-controlling tool for managing the module developments.

**Polaris Industries Inc, Medina, MN January 2012 - Mar 2013**

**Role: Java Developer**

**Project Name: e-Commerce & Marketing**

Description: Polaris, Inc. is a publicly traded manufacturing company headquartered in Medina. The application that I am working on is used to provide information about all the models that Polaris manufactures to the customers and dealers. It was built using Spring MVC and Rest.

**Responsibilities:**

* Actively interacted with team members in design meetings and constantly recommended improvements.
* Implemented and involved in design of Service Oriented Architecture using REST Web Services.

Involved in code optimization, scalability of the application and production support.

Implemented and written various configuration files for implementing **Spring IOC** and **MVC**.

* Developed many controller classes for accepting **REST** endpoint request.
* Involved in communicating with internal clients in gathering requirements and converting them to technical specifications.
* Used **Hibernate** in developing DAO layer for persisting data.
* Implemented front end components using **HTML, CSS, JavaScript,** and **JSP**.
* Implemented client side validations using JavaScript.
* Written the DAO and DAO implementation classes for Model layer.
* Used **Spring REST Template** to test the Rest endpoints internally.
* Used **Eclipse** as Integrated Development Environment (IDE).
* Used **MAVEN** as the build tool and refactored POM file.
* Maintained highest coding standards when implementing a task.
* Performed extensive unit testing using **Junit** and **Mockito** framework.
* Used Advanced **Rest** client for functional testing the Rest endpoints.
* Used **Apache Jackson** for parsing JSON data.
* Used **Apache JMeter** and **Firefox plug-in Poster** for local testing.
* Helped the **QA** team to devise the test plan for the application by explaining the vision document and the business case.
* Involved in system testing and user acceptance test.
* Used **Log4j** as the logging framework.

**Union Bank of California (Los Angeles, CA) November 2010 – December 2011 Role: Java/J2EE Developer**

**Project: Online Banking Management**

Union Bank is full-service commercial bank, providing broad mix of services to businesses and individuals. The Union Bank online system has modules for its customers to open online account, view all of their financial information and do online from both Union Bank of California branches and other Financial Institutions. Account enrollment is automated by capturing personal information, contact/employment information from customers hence allowing them to open checking/savings accounts.

**Responsibilities:**

* Actively interacted with team members in design meetings and constantly recommended improvements.
* Implemented and involved in design of Service Oriented Architecture using REST Web Services.
* Prepared Use case, Class and Sequence diagrams using Rational Rose tool
* Designed and developed Validation framework for field validations in **Struts** framework
* Designed and developed new J2EE Components like bean components to incorporate business level validations
* GUI was developed using **JSP, HTML,** and **JavaScript**.
* Involved in writing **SQL scripts** and creating backend database table for complex business operations.
* Involved in Unit integration, bug fixing and Code reviewing.
* Design, development and Testing of JSP pages.
* Developed several web pages using **HTML, Style sheets, JSP and JavaScript** to perform checking and validations at Client's side.
* Worked on **JavaScript, JQuery and Ajax** extensively for various user interactions, front-end validations, event handling and other visual effects.
* Deployment of JSP and Servlets was done using tomcat.
* Developed J2EE components on Eclipse IDE.
* Involved in developing forms using JSP, HTML and Java Script.
* Developed Action Classes that takes the request from the JSP and invoke the appropriate method in the business components.
* Validate the input data using JavaScript.
* Developed **DAO objects** to communicate with the database using **JDBC**.
* Enhanced the Web Application using **Java, HTML, JSP, Servlets and Oracle**.
* Participating in Design reviews and Technical reviews.
* Created **Technical Analysis Overview, Unit Test Plan, Impact Analysis.**
* Developed application code using Core Java and J2EE.
* Prepared Unit test plans.
* Developed DAOs for accessing database.Involved in updating Database schema and stored procedures using **PL/SQL**.
* Generated build file using **ANT**.
* Deployed application in **WebSphere Application Server**.
* Used **CVS** as a source control for code changes.
* Prepared user guide, deployment guide, system admin guide.

**Merit Systems Private Limited, India January 2008 – September 2010**

**Role: Software Developer**

**Project**: **Web Accounting Module**

**Responsibilities:**

* Developed and refactored web pages using **HTML, JSP, Javascript and CSS**.
* Implemented complex business logic in core java.
* Worked on **Eclipse 3.2** IDE as Application Development Environment.
* Implemented the **Struts** Model View Control (**MVC**) structure.
* Configured **Struts-Config.xml**.
* Designing of database components using **SQL** and **PL/SQL**.
* Performed unit and functional testing on code changes.
* Creation and maintenance of data using SQL Server database.
* Used JDBC for database connectivity. Designed and implemented complex SQL queries.
* Used JavaScript for client side validations.
* Optimized the performance of the application using various techniques in **JSP, EJBs** such as caching static and dynamic data, flushing data partly, choosing right include mechanism, etc.
* **ANT** was used for building the application.
* Analysis & study of the new enhancements and guiding the team on the requirements.

**EDUCATION**

**Bachelor of Science in Engineering**

West Bengal University of Technology-Kolkata, India