

Deborah J. Bowman

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Profile

Full-stack software developer with experience creating and maintaining complex data-driven applications.

- Complete applications development life cycle experience, including requirements analysis, design, development, testing and Tier III Help Desk support.
- Detail-oriented with excellent written and verbal communication skills.
- Recognized for developing quality, error-free software and ability to view the application from the user's perspective.

Technical Skills

- Front-end development: ColdFusion (CFML), HTML, JavaScript, CSS, jQuery, Bootstrap.
- Database: Oracle 12c, SQL, PL/SQL, Toad for Oracle, SQL*Plus.
- Version control: Tortoise SVN.
- Agile management: VersionOne.
- Tier III Help Desk Support: Application Lifecycle Management (ALM), ServiceNow.

Experience

Huntington Ingalls Industries, Fairfax, VA.

Principal Software Developer, 2003 – present.

- Full-stack developer for *PostalOne!*, an Internet application that processes \$40 billion in annual revenue from bulk mail operations for the United States Postal Service.
- Created forms and reports with HTML, JavaScript and CSS. Used ColdFusion, JavaScript, SQL and PL/SQL to dynamically customize front-end content, get and display data, validate user input and save data to an Oracle database. Implemented complex business rules to develop functionality for:
 - Permit Account Management:
 - Enabled postal clerks to search for, create and edit permit accounts to pay for bulk mail. Allowed clerks to enter fee payments for permit accounts. Provided reports on permit balances and fee status.
 - Front-end content varied across 15 types of permits and 24 types of fees.
 - Postage Wizard:
 - Allowed clerks and mailers to enter and save data for bulk mail postage statements through a multi-screen process.
 - Front-end content varied across 10 statement types based on mail class, mail category (e.g., letters or parcels), type of permit, type of user and other characteristics.
 - Performance-Based Verification (PBV):
 - Enabled clerks to confirm that mailers correctly prepared the mail to earn postage discounts via 23 types of verifications.

- Evaluated postage statement characteristics and mailer's verification history to determine which verification types were required for each mailing. Allowed clerks to enter results within the Postage Wizard and compute additional postage due for failed verifications. Stored results in the database to build mailer history.
- Electronic Verification System (eVS):
 - Summarized monthly piece counts, postage and other metrics for high-volume mailers who upload mailing details via electronic manifest files. Allowed clerks to enter postage adjustments for manifest errors.
- Used PL/SQL and SQL to create and modify packages, stored procedures, triggers, views, materialized views, tables, indexes and other database objects for an application that monitors eVS file upload metrics and an application that supports mailer contracts and incentives.
- Facilitated ColdFusion code maintenance and improved system performance by removing duplicate code in older files, consolidating repetitive SQL queries and moving SQL embedded in CFML to PL/SQL functions and procedures.
- Analyzed data and code to identify defects and determine solutions for Tier III Help Desk tickets.
- Developed prototype screens for mailer account management and package shipment applications using Bootstrap, CSS, HTML and jQuery.
- Wrote and implemented test plans to verify changes to eVS functionality. Created manifest files for test scenarios, uploaded them to the test server and validated results via front-end reports and SQL queries.
- Experienced with Agile development and SEI/CMMI Level 3 applications development processes.
- Active United States Postal Service Sensitive Clearance.

Conquest Systems, Inc, Washington, DC.

Senior Software Developer, 2000 – 2003.

- Front-end developer for the *PostalOne!* application. Created forms and reports with HTML, JavaScript and CSS. Used ColdFusion, JavaScript, and SQL to dynamically customize front-end content, get and display data, validate user input and save data to an Oracle database.

Education

Northwestern University, Master of Science, Direct Marketing.

The Wharton School, University of Pennsylvania, Bachelor of Science, Marketing.

The George Washington University, Certificate in Dynamic Website Development.