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Summary

- Highly proficient in a variety of Java technologies, including Java EE, GlassFish, JPA (Java Persistence API), JSF (Java ServerFaces), and Maven.
- Experienced in developing in all three of the major Java IDEs (Netbeans, Eclipse, and IntelliJ IDEA).
- Highly proficient in SQL as well as databases such as Oracle, PostGreSQL, and MySQL.
- Highly proficient with web development in Node.js, HTML, CSS, and JavaScript.

Work History

Northrop Grumman	Software Engineer	January 2014 – Present
Project 5		July 2021 – Present

- Provided updates to web pages written with PHP that used JavaScript frameworks including Bootstrap and Vue.js in a secure environment.
- Created JSON REST endpoints using Oracle JSON Data Structures in a PL/SQL environment delivered through Oracle REST Data Services (ORDS).
- Aided in coworker's use of Matomo Analytics and debugging of a JSF & JDBC application.

Project 4	February 2021 – July 2021

- Identified & corrected bugs in the software that has existed for years prior.
- Used automated software tools (Eclipse autoformatting & save actions) to reduce the complexity of the software code, allowing for easier debugging.
- Self-managed software development activities, as well as collaborated with others using tools such as JIRA, Confluence, and FishEye.
- Provided fellow team members with simpler methods of doing complex & tedious tasks.

Project 3	July 2020 – February 2021

- Created a Node.js web application that queries and updates data in a PostGreSQL/PostGIS database.
- Created a Docker container that holds that Node.js; created another Docker container that holds a PostGreSQL database that mirrors the schema of the real-world PostGIS database; ran both in a single Docker Compose instance.
- Wrote all ProsGreSQL SQL files to generate the tables & create dummy data.
- Enabled the Node.js web application and the mirror database to use SSL file certificates instead of a username/password.

Project 2	March 2018 – July 2020

- Provided maintenance and new functionality to an existing Java Swing desktop application.
- Maintenance activities included eliminating processing bottlenecks by using tools such as JProfiler to identify those bottlenecks.
- Consistently created unit tests that covered at least 90% of newly written code.
- Reduced the amount of "code smells" in existing code by about 8% largely by using code formatting tools.
- Used software tools such as SonarLint, SonarQube, and HP Fortify to identify and fix software issues, including vulnerabilities and duplicate code.

Project 1	January 2014 – March 2018

- Modified an existing Java Swing desktop application by improving its mapping capabilities using OpenMap, added advanced metrics and analytics, and applied redesigns to the GUI.
- Migrated that Java Swing desktop application to a web application using GlassFish, JPA, CDI, JSF, PrimeFaces, PrimeFaces Extensions, and an Oracle XE database. Provided major customizations to the PrimeFaces JSF timeline component. Configured the build and dependency tool Maven such that the web application could be built while not connected to the Internet.
- Reduced the load time of the web application from over 5 minutes to under 5 seconds by writing SQL queries that normalized the Oracle database.
- Maintained and update the public website for the Defense Production Act Title III program. Made this website into HTML5 compliance by modifying and customizing the PHP files, CSS files, and image files in such a way that the website's overall appearance did not change. Implemented a mobile-friendly version using CSS media queries.

Moreover Technologies	Quality Assurance (QA) Engineer	May 2013 – October 2013
AFIT	Computer Programmer / Research Assistant	March 2011 – May 2013

Education & Certifications

Wright State University	Master of Science (M.S.), Computer Science	2014 – 2019
Wright State University	Bachelor of Science (B.S.), Computer Science	2008 – 2012
Scrum.org Professional Scrum Master I		May 28, 2021
CompTIA Advanced Security Practitioner (CASP)		October 2, 2016
Oracle 1Z0-803 - Java SE 7 Programmer I		September 2015