

Summary

- Highly proficient in a variety of Java technologies, including Java EE, JPA (Java Persistence API), JSF (Java ServerFaces), Maven, Spring (including Spring Boot), Groovy, and Spock/Junit unit tests.
- 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, JavaScript, TypeScript, JSON, Angular, AngularJS, VueJS, and Jasmine/Karma unit tests.

Work History

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| Optum | Senior Software Engineer | January 2022 - Present |
| MBM Now Client Experience Management | Senior Software Engineer | December 2022 - Present |
| <ul style="list-style-type: none">• Worked on upgrading a front-end application from Angular 8 to Angular 14, including upgrading the TypeScript version from TypeScript 3.4 to TypeScript 4.7.• Aided in the refinement of software requirements, including breaking down complex ideas into smaller, simpler and more manageable units of work.• Worked on automating front-end Jasmine/Karma unit tests in a Jenkins pipeline.• Routinely mentored junior software engineers and quality assurance engineers.• Attended and participated in regular scrum ceremonies, including daily stand ups, retrospectives, and sprint planning sessions. | | |
| MBM Now / Martin’s Point Healthcare | Senior Software Engineer | October 2022 - February 2023 |
| TruCare API Integration | | |
| <ul style="list-style-type: none">• Led the effort to map over 25 different database values in MBM Now to the JSON parameters specified by the TruCare API.• Used Postman to identify, test, and validate the TruCare API endpoints.• Enabled client-side SSL encryption using private keys, certificate files, Java KeyStore (JKS) files, and the WebClient API of the Spring Framework. | | |
| MBM Now Utilization Management | Senior Software Engineer | January 2022 - December 2022 |
| <ul style="list-style-type: none">• Led my scrum team to win 3rd place in the 2022 annual hackathon by improving the user experience.• Implemented a content security policy (CSP) in the web application in order to mitigate cross-site scripting (XSS) attacks.• Provided fixes and enhancements to a web application that uses AngularJS (in addition to vanilla JavaScript, HTML, and CSS) in the front end, Java, Groovy. and JBoss EAP along with a Spring framework in the back end; as well as a MySql database (with migrations via FlyWay).• Increased and enhanced unit test code coverage with the Spock Framework for the back-end and Jasmine/Karma the front-end.• Attended and participated in regular scrum ceremonies, including daily stand ups, retrospectives, and sprint planning sessions.• Effectively utilized Git and GitHub to regularly contribute to the project. | | |
| Northrop Grumman | Senior Software Engineer | January 2014 – December 2021 |
| Project 5 | Senior Software Engineer | July 2021 – December 2021 |
| <ul style="list-style-type: none">• 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 | Senior Software Engineer | February 2021 – July 2021 |
| <ul style="list-style-type: none">• 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 | Senior Software Engineer | July 2020 – February 2021 |
| <ul style="list-style-type: none">• 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 | Software Engineer | March 2018 – July 2020 |
| Project 1 | Software Engineer | January 2014 – March 2018 |
| Moreover Technologies | Quality Assurance (QA) Engineer | May 2013 – October 2013 |
| AFIT | Computer Programmer / Research Assistant | March 2011 – May 2013 |

Education & Certifications

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|-----------------------------------------------|----------------------------------------------|-----------------|
| Wright State University | Master of Science (M.S.), Computer Science | 2014 – 2018 |
| 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 |