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# Joseph Hendrix

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## 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

<b>Crown Equipment Corporation</b> <b>Internal Sales Tools</b>	<b>Senior Software Engineer</b> <b>Senior Software Engineer</b>	<b>June 2023 - Present</b> <b>June 2023 - Present</b>
<ul style="list-style-type: none"><li>• Implemented custom PDF generation capabilities using Spring Boot, Thymeleaf, and OpenHtmlToPdf.</li><li>• Completed reimplementing a new front-end application to Angular 14, which included upgrading the TypeScript version to TypeScript 4.7.</li><li>• Completed reimplementing the back-end of that Angular application with versions 2.7.0 of the Spring Boot Framework, including Spring Data (JDBC &amp; JPA), Spring MVC, Spring Security, and testing using Spring Test and JUnit 5.</li><li>• Also upgraded that backend from Java 8 to Java 17.</li><li>• Completed these implementations several months ahead of schedule.</li></ul>		
<b>Optum</b> <b>MBM Now Client Experience Management</b>	<b>Senior Software Engineer</b> <b>Senior Software Engineer</b>	<b>January 2022 - April 2023</b> <b>December 2022 - Present</b>
<ul style="list-style-type: none"><li>• 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.</li><li>• Aided in the refinement of software requirements, including breaking down complex ideas into smaller, simpler and more manageable units of work.</li><li>• Worked on automating front-end Jasmine/Karma unit tests in a Jenkins pipeline.</li><li>• Routinely mentored junior software engineers and quality assurance engineers.</li><li>• Attended and participated in regular scrum ceremonies, including daily stand ups, retrospectives, and sprint planning sessions.</li></ul>		
<b>MBM Now / Martin's Point Healthcare</b> <b>TruCare API Integration</b>	<b>Senior Software Engineer</b>	<b>October 2022 - February 2023</b>
<ul style="list-style-type: none"><li>• Led the effort to map over 25 different database values in MBM Now to the JSON parameters specified by the TruCare API.</li><li>• Used Postman to identify, test, and validate the TruCare API endpoints.</li><li>• Enabled client-side SSL encryption using private keys, certificate files, Java KeyStore (JKS) files, and the WebClient API of the Spring Framework.</li></ul>		
<b>MBM Now Utilization Management</b>	<b>Senior Software Engineer</b>	<b>January 2022 - December 2022</b>
<ul style="list-style-type: none"><li>• Led my scrum team to win 3rd place in the 2022 annual hackathon by improving the user experience.</li><li>• Implemented a content security policy (CSP) in the web application in order to mitigate cross-site scripting (XSS) attacks.</li><li>• 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).</li><li>• Increased and enhanced unit test code coverage with the Spock Framework for the back-end and Jasmine/Karma the front-end.</li><li>• Attended and participated in regular scrum ceremonies, including daily stand ups, retrospectives, and sprint planning sessions.</li><li>• Effectively utilized Git and GitHub to regularly contribute to the project.</li></ul>		
<b>Northrop Grumman</b> <b>Project 5</b>	<b>Senior Software Engineer</b> <b>Senior Software Engineer</b>	<b>January 2014 – December 2021</b> <b>July 2021 – December 2021</b>
<ul style="list-style-type: none"><li>• Provided updates to web pages written with PHP that used JavaScript frameworks including Bootstrap and Vue.js in a secure environment.</li><li>• Created JSON REST endpoints using Oracle JSON Data Structures in a PL/SQL environment delivered through Oracle REST Data Services (ORDS).</li><li>• Aided in coworker's use of Matomo Analytics and debugging of a JSF &amp; JDBC application.</li></ul>		
<b>Project 4</b>	<b>Senior Software Engineer</b>	<b>February 2021 – July 2021</b>
<ul style="list-style-type: none"><li>• Used automated software tools (Eclipse autoformatting &amp; save actions) to reduce the complexity of the software code, allowing for easier debugging.</li><li>• Self-managed software development activities, as well as collaborated with others using tools such as JIRA, Confluence, and FishEye.</li></ul>		
<b>Project 3</b> <b>Projects 1 &amp; 2</b>	<b>Senior Software Engineer</b> <b>Software Engineer</b>	<b>July 2020 – February 2021</b> <b>January 2014 – July 2018</b>
<b>Moreover Technologies</b> <b>AFIT</b>	<b>Quality Assurance (QA) Engineer</b> <b>Computer Programmer / Research Assistant</b>	<b>May 2013 – October 2013</b> <b>March 2011 – May 2013</b>

## Education & Certifications

<b>Wright State University</b>	Master of Science (M.S.), Computer Science	2014 – 2018
<b>Wright State University</b>	Bachelor of Science (B.S.), Computer Science	2008 – 2012
<b>Scrum.org Professional Scrum Master I</b>		May 28, 2021
<b>CompTIA Advanced Security Practitioner (CASP)</b>		October 2, 2016
<b>Oracle 1Z0-803 - Java SE 7 Programmer I</b>		September 2015