**Tyler Johnson**

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[**https://gitlab.com/Relaxing-Fox**](https://gitlab.com/Relaxing-Fox)[**https://www.linkedin.com/in/**](https://www.linkedin.com/in/)**tyler-j-johnson2**

**Software Development Professional**

A full-stack developer passionate in learning the latest technology. Expertise in automating test code and ensuring code works effectively and efficiently.

**Technical Skills**

|  |  |
| --- | --- |
| **Programming Languages** | Core Java, HTML5, CSS, JavaScript, C#, Python, SQL (Oracle, T-SQL, MySQL, PostgreSQL), PL/SQL, NoSQL, Visual Basic.NET, VBA Script, Python |
| **Tools/Frameworks** | Linux, Oracle APEX, Database Design, Data Warehouse Design, Data Mapping, Data Modeling, Draw.io, Microsoft Office, ETL Oracle Cloud, .NET Core, Azure, Cucumber, Oracle SQL Developer, PL/SQL Developer, Jersey, JAX-RS, Spring Framework, Test Plan, Test Cases, Quality Assurance, SVN, Git, Jenkins, BDD/TDD, IntelliJ, Visual Studio, Atlassian Tool Suite, Windows OS, Pentaho Data Integration, MicroStrategy, Visual Paradigm |
| **Language** | Intermediate conversational, advanced reading, advanced writing in Spanish |
| **Methodologies** | Agile, Kanban, Lean, Scrum |

**Professional Experience**

**Iowa State University Recreation services**, Ames, IA

**Software Engineer 2015 – Present**

* Developed payroll system, tracking employees’ information, scheduling, managing scheduled events, and Administration controls.
* Designed interfaces with Bootstrap Framework and jQuery by performing effective and efficient tasks on the system for users.
* Used the MVC patterns for separation of concerns, helping separate from data, interface, and logic for software testing.
* Utilized ASP.NET Core to focus on data-driven development; dynamically generate web content on the server using Razor View Engine.
* Migrated application from original VB6 and Access database to ASP.NET Core, supporting organization efficiency.
* Applied Entity Framework Core for the database; programming database easily and enhancing reading and updating.
* Composed UML markups with Draw.io for new data tables and functionality to show the workflow of the application.
* Organized the documentation for the end user, showing them of all the processes in the application.
* Published application on Azure Services, making the features to easier add and upload.

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**Signature Consultants**

**GDIT**, Des Moines, IA

**Software Developer 2019 – Present**

* Developed custom data integration tools for the ETL processes using the Oracle database.
* Assembled data mapping models between the source file to the presentation layer of the process, by looking at the existing documentation.
* Modeled data models to organize the ETL process for each project to provide accuracy.
* Performed SQL unit testing to provide data integrity between data tables in an Agile environment.
* Obtained domain knowledge in healthcare of Medicare and Medicaid to preform daily tasks.
* Programmed SQL and PL/SQL code in PL/SQL Developer to develop the ETL processes.
* Deployed Oracle APEX jobs to production, by monitoring the application control for daily operational reports.
* Prepared quality assurance documentation for other developers to certify the accuracy of the test cases and plans are done before going to the next environment.
* Implemented Linux commands, for compiling and analyzing the log files to understand more about the task at hand.
* Designed diagrams with Draw.io to show the flow of the process of each loading stage ensuring the accuracy inside the load specification.

**elavon**, Knoxville, TN

**Junior Oracle DBA Associate 2018 – 2019**

* Developed SQL and PL/SQL solutions for the business in future releases of the application.
* Analyzed problems to figure out what went wrong with the software.
* Maintained existing pages within the application to ensure efficient output every time.
* Utilized Oracle Apex 3.2 by handling large amounts of data in the Collections Department.
* Applied the data from the application to Excel report sheets; to help the business with calculations of incoming debt from the merchants.
* Applied business insight; to understand how the company process data through Oracle Apex 3.2.
* Drafted UML models with Draw.io for new tables to show the business workflow of the application.
* Summarized report data with Pivot Table to find out which data columns have the duplicates; apply SQL to remove those duplicate rows and rerun the report.

**The Vanguard Group**, Malvern, PA

**Software Engineer in Test 2016 – 2017**

* Moved throughout the project from front to backend development and to middle tier for data processing, by gaining full-stack experience.
* Wrote code enhancements for load services that resulted from business changes, reducing errors.
* Analyzed and learned how feature files worked, and effectively implemented into JUnits.
* Enhanced AngularJS custom directives to confirm the maintainability and testability of current directives.
* Used Spring framework inside load services, making team’s project work more efficient.

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* Built Cucumber tests for the business requirements to provide the project’s productivity.
* Designed the Jasmine unit testing for AngularJS tests to ensure the user interface works adequately and completely.
* Applied AngularJS service by effectively communicate with the back-end service.
* Detailed the Protractor end-to-end testing to guarantee the whole project satisfactorily from the team.
* Utilized Spring Boot, Web Services, and Mockito testing to establish the URL connection to confirm the URL works properly.
* Consumed Jersey and JAX-RS API with AngularJS and Spring Boot, verifying both end points in the application.
* Deployed the application to AWS for easier upkeep, lower fees, and redistribute when the business requires update of the software.
* Tested the code by using regression tests to verify the code did not break before being deployed to the next environment.

**Education**

**C# Application Developer Certificate**, Des Moines Area Community College, Ankeny, IA, 2021 –Present

**Database Specialist Certificate**, Des Moines Area Community College, Ankeny, IA, 2018 – 2019, 3.94 GPA

**Bachelor of Arts (BA)**, Computer Science and Information Systems, Grand View University, Des Moines, IA, 2016, 3.0 GPA

**Awards and Recognition**

Tennis Team Scholarship Recipient, All Team Academic Award, Computer Science and Math Club