

SUMMARY

Software developer with strong analytical and programming skills in various technologies on multiple platforms. Also, a proven ability to proactively and productively work on multiple projects simultaneously.

- 18+ Years experience with SQL
- 16+ years Java experience, most recently with Java 17
- 12+ years of experience using Javascript
- 6+ years of experience using PL\SQL
- 4+ years of experience using MongoDB
- 1+ year of experience using Apache Camel

WORK EXPERIENCE

S2 Technovations

Software Developer

December 2023 - Present

Tech Used: Java 17, Spring Boot 3.4.4, JDBC Template, Mongo Template, Apache Camel, Maven, MongoDB, DB2, Artemis MQ, OpenShift, Git, IBM Engineering Lifecycle Management, Eclipse, Splunk, AppDynamics

Lead developer on the IRS' 1040X automation project. This includes every facet of development to migrate the current manual amended return process to a custom-built automated solution hosted on an Openshift cluster.

- Help flush out requirements and decompose stories for me and team members
- Prototyped a Webflux solution using WebClient to demonstrate how to retrieve taxpayer data from IRS' taxpayer microservice. Helped build the final implementation too.
- Designed and built an Apache Camel route using the orchestrator design pattern to consume inbound data and direct it as progresses through the workflow.
- Designed and built a RESTful microservice for retrieving amended return data from IRS DB2 database.
- Designed and built classes for unmarshalling non-standard original return data from backend IRS system for further downstream processing.
- Designed and built RESTful microservices for taxpayer and adjusted data and another microservice to send/post data to IRS' downstream taxpayer application to be updated.
- Created end-of-workflow automatically run report with AES-256 encrypted zip attachment containing all records that were processed. The report records were retrieved with a MongoDB query. The encryption library is Zip4j.
- Research and resolve deployment issues in the OpenShift cluster using Splunk, Jenkins and AppDynamics.
- Perform code maintenance based on the IRS' standards and address production issues.
- Train team members to use Git and GitHub
- Regularly communicate with management and colleagues with updates on design and implementation details.

Additional duties are designing, code reviewing, training and mentoring other developers on the team.

Deloitte

Consultant (Java Developer) [REDACTED]

September 2020 - December 2023

Tech Used: Java 8, Spring Boot 3.1.4, Maven, MongoDB, AWS EKS, S3, IBM Engineering Lifecycle Management, IBM Rational Team Concert, Eclipse, Splunk, AppDynamics

My responsibilities were to manage the DevOps for an internally designed and built data storage and retrieval RESTful microservice on the IRS' Information Returns Processing System hosted on an AWS EKS cluster.

- Helped flush out requirements and decomposed stories for me and team members.
- Deployed code changes with Jenkins jobs to an AWS EKS cluster.
- Made updates to the Jenkinsfile Groovy code and Helm charts and all other pipeline configuration changes.
- Coded and tested new features or fixes for the microservice.
- Helped implement API versioning. Including rewriting the controller and adding service classes.
- Helped implement S3 configuration class
- Provided support and configuration changes for end-to-end performance testing.
- Created and updated CI/CD instructional documentation for the team.

Devnext

Full Stack Developer

November 2016 - September 2020

Tech Used: Spring Framework 5, .net 4.6.1, AngularJS 1.5.0, HTML5, MSSQL, T-SQL, Azure, AWS EC2, VS Code, Visual Studio, Git, bitbucket, SourceTree, Jira

My duties were development on a custom-built CRM web application, "Officer Management System" for the Salvation Army.

- Helped flush out requirements and decomposed stories for myself.
- Rewrote a query tool and implemented drag-and-drop functionality for dynamic query creation.
- Helped design and implement backend dynamic query creation when query tool requests were received in the Spring backend API.
- Developed backend API endpoints to retrieve and update officer data. This data included name, address, officer assignments, housing details, tax information, dependents, and length of service.
- I developed and maintained reports with SQL Server Reporting Services (SSRS), and stored procedures (T-SQL).
- I deployed to an Azure Cloud App. for the development environment.
- AWS EC2 servers for user test and production.

Cru / Campus Crusade for Christ

BI Engineer, Data Analyst

June 2016 – November 2016

Tech Used: Oracle Business Intelligence Enterprise Edition 11 (OBIEE), Oracle Database, PL\SQL, Informatica PowerCenter, Toad, Jira, Confluence

The responsibilities were to design and build analyses and dashboards with Oracle Business Intelligence Enterprise Edition (OBIEE). Assisted in OBIEE administration, maintenance, and upgrades. Also, developed Informatica PowerCenter mappings from source tables to integration and finally, the target tables.

Cru / Campus Crusade for Christ

Senior Web Developer

June 2014 – June 2016

Tech Used: Java 8, Java EE, Jackson, Maven, Git, JPA/Hibernate, WildFly, PostgreSQL, IntelliJ, Toad, Jira, Confluence

The responsibilities were to code, test and debug Java EE solutions primarily on an internal custom event registration web application. This included development of RESTful services to create, retrieve and update event details.

Cru / Campus Crusade for Christ

BI Engineer

November 2012 - June 2014

Tech Used: Oracle Business Intelligence Enterprise Edition 11 (OBIEE), Oracle Database, PL\SQL, Informatica PowerCenter, Toad, Git, Jira, Confluence

Worked as a Business Intelligence Engineer where I designed and built analyses and dashboards using OBIEE. I also flushed out requirements with users. Modeled, configured and optimized the RPD from the data warehouse (OLAP) and transactional database (OLTP).

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Web App Developer

October 2008 – November 2012

Tech Used: Java 1.5, Java EE, Jackson, Maven, Git, JPA/Hibernate, Tomcat, Oracle Database, IntelliJ, Toad, Jira, Confluence

The responsibilities were to develop Java EE solutions for internal employee tools, and online custom donor application. I added new features and made bug fixes as required to the Java code as well as database queries and stored procedures.

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PeopleSoft Programmer

June 2007 - October 2008

Tech Used: People Tools, SQR Plus, Toad, Oracle Database, SVN, Jira, Confluence

The responsibilities were to perform break fixes and implement new functionality in a PeopleSoft Donor application. This included coding, testing and debugging with Oracle SQL, SQR and PeopleCode.

Teleformix

Business Developer

September 2005 - May 2007

Tech Used: HTML, JavaScript, bash scripting, and SQL, Jira

The responsibilities were to review customer specs, code and test frontend changes and new features on a proprietary, web-based call center application. Also, to create and update bash and SQL scripts to retrieve customer data.

ABN AMRO Services Company

Application Support Analyst

February 2002 – September 2005

Tech Used: Toad, Oracle Database, UltraEdit32, Eclipse

Monitored and resolved all EDI file transmission issues on a proprietary UNIX based web application.

ABN AMRO Service Company

EDI Coordinator

January 2000 – February 2002

Tech Used: Internal Mainframe console

Monitored financial EDI transmissions for file errors or any other issues on proprietary mainframe-based application. Report issues to on-call support.

EDUCATION

DeVry University – Chicago, IL

Bachelor of Science in Computer Information Systems, 2005

SKILLS

Familiar Platforms: Mac OS X, Windows, Linux, Unix

Front-End Skills: HTML5, CSS3, Bootstrap, JavaScript, jQuery, AngularJS, MomentJS, Lodash

Back-End Skills: Java 8-21, Spring Boot, Spring Framework, C#,

Version Control Systems: Git, Rational Team Concert (RTC)

Database: MongoDB, Oracle, PostgreSQL, MSSQL, DB2

Containerization & Orchestration: Docker, Kubernetes (Openshift, AWS EKS), Helm

DevOps: Rational Team Concert (RTC), AWS EC2, S3, Jenkins, Gitlab

Messaging: Artemis MQ

Familiar IDE: Eclipse, IntelliJ, Visual Studio Code, MongoDB Compass, SQL Developer, Toad

LAEL WATKINS

8765 FORT JEFFERSON BLVD, ORLANDO, FL 32822

