

ZS

# Zachary St. Louis

## Professional Summary

Seasoned Staff Software Engineer with proven troubleshooting and debugging capabilities for resolving complex technical issues. Experienced with developing and creating dynamic applications with a deep understanding of both front-end and back-end technologies. Skilled in problem-solving, systems integration, and client engagement, with focus on achieving optimal outcomes.

## Work Experience

### IBM - Staff Software Engineer

Markham, ON

05/2022 - Current

- Lead problem resolution by analyzing datasets of logs, extracting insights for performance monitoring and troubleshooting.
- SME for Maximo Visual Inspection. Application enables users to label, train and deploy deep learning vision models for image classification, object detection and anomaly detection.
- SME for Maximo Spatial where I assist clients with data integration between ArcGIS and Maximo Spatial.
- Configure RESTful APIs and web services to query GIS features and display maps within Maximo.
- Work with client-server architectures, networking protocols, application development, and databases.
- Mentor and train junior engineers.

### IBM - Software Engineer

Markham, ON

04/2020 - 05/2022

- Perform debugging of Maximo code issues in Java, XML and SQL.
- Reduced query execution time by analyzing and fine-tuning SQL statements in IBM Maximo.
- Participated in after-hours on-call support rotations, ensuring round-the-clock availability.
- Developed comprehensive documentation for IBM software applications, enabling easier maintenance and customer support.
- Assist clients with Maximo and Maximo Spatial environment upgrades. Includes installation of Maximo Application and database setup (DB2, Oracle and SQL Server).

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## Portfolio

- <https://github.com/zstlouis>
- [https://zstlouis.github.io/personal\\_site](https://zstlouis.github.io/personal_site)

## Education

12/2019

**Fanshawe College**

London, Ontario, CA

Computer Programmer Analyst

## Skills

- Java
- Python
- React
- Node.js
- SQL
- TensorFlow
- Docker
- Code debugging
- Customer Support
- Software troubleshooting