Sumiksh Trehan

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PROFESSIONAL SUMMARY

Professional Software Developer and Data Analyst with comprehensive experience in data engineering, automation, analytics, and cloud-based solutions. At Claret Asset Management, I developed end-to-end ETL pipelines in Python, automated large-scale data extraction using Selenium, migrated legacy SSIS workflows to Python for improved reliability, and supported cloud migration initiatives to Azure. During my time with the Ontario Government, I conducted system testing, validated program data, analyzed workflow processes, and collaborated with vendors to ensure smooth delivery of tax and dental program services. At CIBC, I contributed to application development by building new Kotlin features, integrating analytics tools, and maintaining technical documentation within Agile teams. I also gained hands-on IT operations experience at Canadas Wonderland, where I supported network, server, and POS systems, performed software updates, and improved system reliability through detailed documentation.

WORK HISTORY

Ontario Public Services (TBS Branch), Junior Programmer Co-op   Jan 2025-Apr 2025
Oshawa, Ontario
- Served as the subject matter expert for Ontario Government tax and dental programs, providing technical clarification to vendors.
- Developed an automated Python script using selenium and pandas to scrape internal ticketing data and generate Excel-based reports, reducing manual reporting time.
- Performed end-to-end functional and system testing of government program workflows, identifying defects, validating logic, and reporting issues through structured tickets while collaborating daily with vendors during standups to review defects, clarify requirements, and support system improvements.

CIBC, Android Developer Co-op   May 2024-Aug 2024
Toronto, Ontario
- Developed and deployed a pilot-phase gamification feature in the CIBC Mobile Banking App using Kotlin, enabling users to accumulate points through in-app activities.
- Integrated Adobe Analytics into the CIBC Mobile Banking App to track user engagement, capture in-app user behavior, and support data-driven feature evaluation.
- Supported Agile delivery by tracking user stories, defects, and QA progress through JIRA while maintaining clear sprint documentation.
- Created and maintained detailed configuration and role-management documentation in Confluence to support team onboarding and environment setup.

Claret Asset Management, IT Specialist   Jun 2022-Jan 2023
Montreal, Quebec
- Developed Python-based ETL scripts using Selenium to web scrape data, download 250+ documents, and store records in a MySQL database for audit reporting, reducing manual workload by 8 hours per week.
- Troubleshoot and modified existing C# automation scripts to enhance stability and resolve operational issues.
- Migrated SSIS workflows to Python for improved maintainability, scalability, and reduced dependency on legacy systems.
- Collaborated with business teams and external vendors on migration projects to Azure Cloud
- Delivered database support for an Angular-based client onboarding application and updating database records to ensure seamless functionality and reliable user experience.

Canadas Wonderland, IT Technician   Mar 2022-May 2024
Vaughan, Ontario
- Managed network, server, and in-house application operations, including Active Directory access, JIRA ticket resolution, and documenting solutions in Confluence to ensure reliable system performance.

- Provided Active Directory access to the users and maintained internal applications.
- Provided hardware and software support for POS systems across 2,000+ endpoints.

TECHNICAL SKILLS

- Programming Languages: Python, Java, SQL, HTML, JavaScript
- Frameworks & Tools: Flask, Django, Node.js, Git, Azure Data Factory, CI/CD pipelines
- Databases: MS SQL Server, PostgreSQL, Snowflake, MongoDB
- Testing & QA: Unit Testing, Regression Testing, Functional and Performance Testing
- SDLC Methodologies: Agile, SCRUM, Test-Driven Development (TDD)
- Cloud & Deployment: Azure, Docker, Accelerator pipeline (CI/CD), Linux
- Data Analytics & BI: Power BI, Tableau, Excel (Pivot Tables, Power Query), Data Visualization

PROJECTS

Web Portfolio | Vercel | GitHub   May 2024
Built a modern, theme-aware portfolio using Next.js, Tailwind CSS, and shadcn/ui. The portfolio features a responsive landing page with an animated profile photo, a global dark/light theme toggle, and interactive portfolio cards. Integrated a chatbot UI for resume-related Q&A and a dynamic navigation bar with pages for Home, About, and Experience. The theme adapts automatically based on user preference.
Technologies: Next.js, Tailwind CSS, shadcn/ui, next-themes, JavaScript

Fragments Application | Github BE| GitHub FE   Apr 2024
Designed and developed a full-stack application for creating, managing, and storing text and image fragments. Built a Node.js/Express backend with AWS Cognito authentication, JWT authorization, AWS S3 for file storage, and DynamoDB for metadata persistence. Developed a responsive React-based frontend integrated with REST APIs for seamless user interaction. Implemented secure authentication flows, multi-environment configurations, and user-friendly layouts using React Bootstrap. Deployed the backend on AWS EC2 with CI/CD automation via GitHub Actions and ensured API reliability with unit and integration testing (Jest).
Technologies: Node.js, Express, React, AWS Cognito, AWS S3, DynamoDB, AWS EC2, GitHub Actions, Jest, React Bootstrap

Sports Motion Detection and Tracking   June 2025
Github
Built a video processing pipeline to detect and track motion across sports footage using classical computer vision techniques like frame differencing and viewport tracking. Developed algorithms to highlight moving objects and generate annotated output videos for sports analysis.
Technologies: Python, OpenCV

EDUCATION

Honours Bachelor of Technology Software Development   Jan 2023-Aug 2025
Seneca Polytechnic – Toronto, ON
Diploma Computer Programming   Jan 2020-Jan 2023
Seneca Polytechnic – Toronto, ON
Diploma Electrical Engineering   Jan 2015-Jan 2017
Georgian College – Barrie, ON

CERTIFICATIONS

- AWS Solutions Architect- In Progress
- Linkedin- Data Engineering on AWS, Power BI Data Dashboards, Introduction to Spark SQL and DataFrames, Azure Spark Databricks Essential Training, Learning Apache Airflow
- DataCamp- Object-Oriented Programming in Python, Introduction to Python