Trevor J. Yao

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Skills

C/C++ • Python • C# • SQL • Scala • Groovy • Bash • JS • HTML/CSS
AWS • Spark • Ambari • Docker • Jenkins • Ansible • Artifactory • git
Automated Testing • Agile Development

Experience

Sun Life Financial Waterloo, Canada
May 2021 - Aug 2021 — Data & Analytics Engineer
- Developed custom data ingestion and data transformation applications using Python and Scala, leveraging AWS-core services such as GLUE, SageMaker, S3, and EMR.
- Enhanced dashboards, scorecards and metrics using data collected and evaluated via Hadoop from multiple systems.

Sun Life Financial Toronto, Canada
Jan 2021 - Apr 2021 — DevOps Engineer
- Led architecture and development of generalized Jenkins-based SQL/PostgreSQL pipeline targeting multiple environments, used by all DB development teams, reducing existing testing procedures by over 30 minutes per environment.
- Designed & implemented department standards for pipelines focused on simplicity and speed.
- Pioneered automated JIRA, Microsoft Teams, and Service Now integration for new & legacy tasks, bringing procedures inline with Agile methodology.

CIK Telecom Toronto, Canada
May 2020 - Aug 2020 — Software Developer
- Lead developer of an International job application and management web app using the ASP.NET Core Framework, increasing recruitment spread by 25%.
- Wrote Transact-SQL scripts for managing company data, including sensitive data of over 300 000 customers.
- Developed a new company web app and REST API for managing inventory based on previous order trends using multivariate regression analysis.
- Developed and maintained automated tests for company web apps and websites.

Projects

vm
Dec 2020 — Lightweight vim-like Text Editor
- vim alternative with 60% reduction in memory usage. Written in standard C++ with self-written libraries, designed for portable use on any low powered *NIX embedded systems.
- Supports all common vim commands, with C/C++ syntax highlighting, unlimited undo, nested multipliers and movements, and text searching all supported.

Education

University of Waterloo
Sep 2019 - May 2024 — Candidate for Honours Bachelor of Computer Science & Pure Mathematics minor (2B)
- Dean's Honours List - Faculty of Mathematics (All Terms).
- 92% Major Average (4.0 GPA).
- Related coursework: CS 246E - Enriched OOP Programming (C++ Abstraction): 94%.