Joseph Ting

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Statistics and data analytics expert with cloud and programming skills.

Technology stack: Python, Git, SQL, Docker, Linux, Kubernetes,AWS, Azure

Cloud Experience

Cloud Training
January 2022–Present

- Managing code versioning using Git.
- Automated deployment using Github actions.
- Administering Linux virtual machines (e.g. creating users, assigning permissions, shell scripting, configuring files, etc).
- Automating tasks in the cloud using Python.
- Customizing a Python blog Application and deploying to a CI/CD pipeline.
- Provisioning and configuring SQL databases (e.g. MySQL).
- Containerizing a full stack web-app and deploying to an EKS cluster.
- Configuring and managing Kubernetes clusters.

Major Projects/Portfolio

Medium: https://medium.com/@josephting919

Github: https://github.com/joeting19?tab=repositories

Portfolio Python blog website: http://maitriwind.com

CI/CD pipeline with EKS

- Created a CI/CD pipeline using Jenkins, Ansible, Docker and Kubernetes to deploy a full-stack containerized application.

Recidivism research project

- Modeling inmate recidivism using multiple and logistic regression. Cleaning and linking numerous datasets.

Masters thesis

- Analyzing survey data using multiple and logistic regression. Cleaning and preparing data. Examining the relationship between socio-demographic factors and attitudes towards climate change.

Work Experience

Demographic Analyst
Government of Alberta, Edmonton, Alberta
February 2016–Current

- Serving as a SME to clients and stakeholders, providing technical expertise and consulting.
- Developing scripts/programs, to perform advanced statistical analysis and automate mundane tasks. (using SAS, R and SQL).
- Successfully managing numerous projects requiring interdisciplinary collaboration, time management and prioritization.
- Conveying technical concepts to non-technical audiences through presentations, reports, etc.
- Dealing with highly sensitive data records such as vital statistics/health records (e.g. anonymizing).

Certifications

AWS Solutions Architect Pro: https://www.credly.com/badges/7a33cbd7-3ea6-4483-a6fb-2565e3a60520/public_url

AWS Developer Associate: https://www.credly.com/badges/5ed8f48d-b30e-46cb-ae63-8d1980b06bf4/public_url

Certified Kubernetes Administrator: https://www.credly.com/badges/5bcc5ad2-82d2-4b98-8da6-38b7d89118fa

Azure Administrator: https://www.credly.com/badges/4b1cd417-fb15-4f63-8f24-9bc894fc4b3a

Education

MA in Sociology (concentration: Statistics/Quantitative Methods)

University of Calgary
September 2014-August 2016