

JIANLIANG OSCAR OU

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SKILL

- Python, Java, Ruby, C, C++, R, MATLAB, Bash
- Docker, Hadoop, Elasticsearch, Kafka, Spark, Hive, Impala, MongoDB, MySQL, Redis, Gitlab, Jenkins, Django, Flask, Selenium, Airflow, Chef, CFEngine, CloudFormation

EXPERIENCE

Big Data Engineer @FairVentures

Jan - Apr 2020

- Created scoring scripts for insurance claim and churn models in Python
- Automated end-to-end data flows and machine learning workflows for client applications
- Designed and implemented Airflow DAGs to create reusable modules and runbooks
- Developed internal Airflow plugins and handlers in a multi-tenancy environment

Service Engineer @BlackBerry

May - Aug 2019

- Automated remote logging to Hadoop for multiple environments with CFEngine
- Built a proof of concept of logging analysis with Elasticsearch for BlackBerry GTS applications
- Created method of procedures for various logging operations

Software Engineer @Wind River

Sep - Dec 2018

- Implemented an integration dashboard to monitor VxWorks nightly builds with Django and Elastic stack on Docker
- Audited VxWorks sample tests for new releases with Wind River Workbench

DevOps Engineer @Tulip Retail

Jan - Apr 2018

- Migrated web services to AWS and reduced cost by \$20,000/month
- Developed and deployed Chef cookbooks in a multi-tenancy environment
- Created service monitoring scripts with Datadog and Python
- Created a YAML script to define AWS IAM policies across teams

Software Engineer @Southcn

May - Aug 2017

- Built an internal search portal using Flask and Elasticsearch
- Built a distributed web crawler to process data using Scrapy

PROJECT

Modern Acoustic Fingerstyle Guitar Content Creator

- Video Content: <https://www.youtube.com/channel/UCLqFiZjNEr1fTRqC8ZjCBg>
- Text Content: <https://omegacoustic.github.io/>

EDUCATION

University of Waterloo, Bachelor of Computer Engineering, Sep 2016 - Apr 2021