Moravy Oum

✉ moravy22@gmail.com | ☎ (022) 6443738 | in Moravy Oum | ⌨ Moravy

EDUCATION

Massey University

BInfSc Major: Information Technology**, Minor:** Computer Science   Expected 7/2020

WORK EXPERIENCE

GIS Intern   January - March 2020
Valocity

- Developed a server using Geoserver to store and share geospatial data.
- Implement a cache for spatial data to optimize the delivery speed.
- Developed a solution to efficiently cache spatial data to improve the speed of delivery using Javascript.
- Created a certificate authority to secured the server for the testing team.
- Designed and develop Docker architectures to deploy Geoserver.

SKILLS

Languages: Java, Python, HTML/CSS, JavaScript, SQL, Unix, Ansible
Concept: Git, Nodejs, AWS, Azure, GCP, Docker, Kubernetes, Django, React

PROJECTS

Room: Live-Chat application   July – August 2020
  Python, Django, SQLite, Websocket, HTML/CSS

- Real-world chat servers where each room in that server can be dynamically generated.
- Used SQLite to logged all the messages that was send by the user.
- Used Django to created a dynamic web-socket to handle the dynamically generated room.

Stock-Tracker   July – August 2020
  React, GCP: Cloud Functions, NodeJs, API, Web-Socket, HTML/CSS

- Created a project which has the ability to serve, manage and view real-time stock data using React and API.
- Using Cloud Functions to create a serverless API which response to events triggered by HTTP requests.

To-Do List   June - July 2020
  React, GCP: Cloud Functions, Cloud SQL (PSQL), NodeJs, HTML/CSS

- Created a project which has the ability to serve, manage and view task using React and API.
- Created a serverless API which response to events triggered by HTTP requests using Cloud Functions.
- Used Cloud Functions to connect to Cloud SQL which act as a backend for this project.

Deploy GeoServer on Kubernetes   March - May 2020
  Azure Kubernetes Service, Unix, GeoServer, Azure BlobStorage

- Deployed a containerized GeoServer using Azure Kubernetes.
- Loadbalancing using ingress to divert traffics to different hostname with same IP address.
- Enable session affinity which allow ingress to direct the requests from client to the same origin webserver.