KARANDEEP SINGH

Surrey, BC · 604 368 1868 · [deepkaran2490@gmail.](mailto:deepkaran2490@gmail.com)
portfolio.deepkaran.info

SKILLS

Programming – Python, JavaScript, React, MySQL, HTML/CSS, Terraform, Shell, Bash
Technologies – Docker, Kubernetes, GitLab, GitHub, AWS, Azure, SQLite, SQL Management Studio, Ansible,
Development Skills – Agile, Object-Oriented Programming, Test Driven Development

TECHNICAL PROJECTS

Cake Microservices application (https://github.com/karan-sohi/Microservices.git)

- Designed an interoperable Service Based Architecture application and created 5 different services to receive, store, process, show events.
- Used SQLite, MySQL and JSON files to implement database per service architecture
- Build and run Docker images for each service and deployed them with Docker Compose on Azure VM
- Scale Receiver and Storage Services by using software load balancer (NGINX) in front of microservices

Reminder Web Project (https://github.com/soroosh20/NewReminderApp2**)**

- Worked in a team of 4, to develop an application that sets reminder for events and the user can edit and delete each reminder from the application
- Developed code so that the user can edit and update the existing reminder on the website
- Technologies Used: Node.js, HTML/CSS, EJS, GitHub, Trello

System Provisioning (https://github.com/karan-sohi/System-Provisioning.git)

- Created Playbooks to create and clean AWS infrastructure with Ansible
- Created Ansible playbooks to provision the tutorials application by creating and importing 3 Ansible roles on VirtualBox VM and AWS
- Created Vagrant file and shell scripts to setup and deploy three-tier web application from scratch on 3 VirtualBox VMs
- Created Dockerfiles and docker compose file to run the tutorials application on Docker containers

WorkSafeBC Project

- Worked in a group of 6 team members to develop a web portal for WorkSafeBC engineers
- Technologies Used – C#, jQuery, VS Code Enterprise

EDUCATION

BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY | JAN 2020–JAN 2022

COMPUTER INFORMATION TECHNOLOGY DIPLOMA - GPA: 81%

- Developed console Maze Game using OOP with Python and Flask and build note-taking web application with HTML/CSS and JavaScript
- Build CI/CD Pipelines with Jenkins and GitLab for Python and Java based applications
- Coursework in Relational Database Design and MySQL, and designed college database with ER diagrams
- Configured static and dynamic routing on VirtualBox VMs and wrote multiple shell scripts in Linux

WORK AND VOLUNTEER EXPERIENCE

BAKER |MONTE CRISTO BAKERY | JULY 2020-CURRENT

- Maintained good relations with manager and co-workers and finished every assigned task responsibly
- Responsible to give training to new co-workers

@karan-sohi   /karandeep-singh