

Di Gao

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PROFILE

Efficient Junior software and web developer with excellent communication and organizational abilities. Deadline-driven and knowledgeable professional with a strong desire to learn and contribute to team success. Successful at improving usability, performance, and functionality by applying coding skills. In-depth understanding of REST APIs, OOP, ORM, MVC architecture, and related best practices. Collaborative and hardworking team player with critical thinking skills and a systematic approach.

SKILLS

Database MySQL Microsoft SQL Server PostgreSQL Timestream - AWS Firebase - Google	Operating System Linux Windows macOS Windows Server	Programming Python JavaScript Bash C (processing)	Cloud Azure Cloud Services AWS
Web Development CSS HTML Node.JS React (Processing) WordPress Bootstrap Drupal (Processing)	Virtual System Virtual box VMware	Workflow Git GitHub GitLab	Enterprise Tool Jira Confluence Agile, Scrum TDD
	Network System TCP/IP, DNS, DHCP knowledge Wireshark	DevOps Docker Terraform	CI/CD Jenkins Circle. CI Heroku

PROFESSIONAL PROJECTS

Team Leader / Product Owner, *Vancouver International Airport, Environment Monitoring and Analysis System*

- Led a seven-member team to design and deploy cloud infrastructure for the YVR IoT device system
- Generated, analyzed, and backup the data from the IoT water sensor around YVR airport
- Saved \$200 per month by transferring original Timescale database to AWS Timestream database
- Improved data reading efficiency by creating visualization Grafana Dashboard for the engineering team
- Highly rated by sponsor and project coordinators

Team Leader / Product Owner, *BCIT, Plants vs. Zombies python version*

- Led a six-member team to recreate and modify the Plants vs. Zombies in one month
- Improved gamer experience by creating game dashboard and main menu
- Enhanced playability by adding new game characters and models
- Designed and deployed Scored Board website hosted by Heroku with PostgreSQL database
- Applied Continue Integration (Circle CI), Continue deployment (Heroku), and Agile method
- Voted as a most popular student project (CIT-2021 Agile project)

Team Leader / Product Owner, *City of Vancouver, Quality Management System Training Platform*

- Leading a seven-member team to design and deploy a staff training platform for the City of Vancouver
- Implementing flexible training sessions to meet various employee schedules
- Helping manager to monitor training progress by implementing a progress tracking system
- Redesigning existing training content to become interactive to improve employee engagement
- Preparing on-site storage for training content and employee info to meet CoV security and policy rules

Team Member / Scrum Master, *Reminder web app*

- Designed a web application that users can save events like notepad
- Developed the social system to show dynamic content by EJS and Node
- Implemented Authentication system by using Passport.js (OAuth 2.0) and MySQL
- Configured the API to communicate backend and frontend
- Deployed web server on AWS and database on Digital Ocean

EDUCATION

British Columbia Institute of Technology, Burnaby, BC

2020.09 - 2022.04

Computer Information Technology, Diploma (GPA 86%)

- **Key Courses:** Developing Web Applications, Object-Oriented Programming, Linux System Administration, Windows Server Administration, Web Server Administration, Cloud Computing, Enterprise System Integration, Database Administration and Management
- **Relevant Coursework:** Data Analytics, Service-Based Architectures

Western University

2012.09 - 2015.04

Major Computer Science, Minor Human Resource Management