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

WORK EXPERIENCE

System Administrator, *Guangson Consulting Group, Burnaby, BC*, 04/2022 – 06/2022
- Saved $2000/month by migrating on-premises servers to the cloud.
- Managing Salesforce roles, profiles, sharing rules, workflows, and groups.
- Perform server administration tasks, including user/group administration, security permissions, group policies, print services, research event log warnings and errors, and resource monitoring, ensuring system architecture components work together seamlessly
- Monitor datacenter health using pre-existing management tools and respond to hardware issues as they arise; help build, test, and maintain new servers as needed
- Maintain internal infrastructure requirements for seven locations: laptop and desktop computers, servers, routers, switches, firewalls, printers, phones, and security updates; support internet, intranet, LANs, WANs, and network segments.

Quality Assurance Engineer, *Ensightful, Vancouver, BC*, 06/2022 – 07/2022
- Design and build test plans considering different matrices
- Measure network performance and stability in popular web browsers
- Verify layout and user experience on supported screen sizes
- Report bugs/defects tracing possible causes and validate fixes

- Agile testing support in fast iterations
- Planning and scripting for automated testing

Cloud Support Engineer, *Amazon, Vancouver, BC***,** 07/2022 – present
- Apply advanced troubleshooting techniques to provide unique solutions to our customers.
- Interact with leading engineers around the world.
- Partner with AWS teams to help reproduce and resolve customer issues.
- Leverage customer support experience to provide feedback with AWS teams on how to improve.
- Drive customer communication during critical events.
- Drive projects that improve support-related processes and our customers' technical support experience.

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 the original Timescale database to the AWS Timestream database
- Improved data reading efficiency by creating a 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 the 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 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