Qi Dang

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Summary of Qualifications

- **3 years of experience** in software development, focusing on cloud configuration, administration, and development with AWS, GCP, and Microsoft Azure.
- **Developed and maintained cloud-based applications** using Python, JavaScript, Node.js, and React, contributing to over 10 projects in diverse domains.
- **Hands-on experience with DevOps tools and practices**, including infrastructure as code (Terraform, Ansible), containerization (Docker, Kubernetes), and CI/CD pipelines (Github Actions, TeamCity).
- **Proven ability to streamline development and deployment processes** through automation and continuous integration, ensuring efficiency and reliability in software delivery.
- **Fluent in English and Mandarin**, with experience collaborating across teams, time zones, and countries, including direct work with Microsoft teams to deliver joint projects.

Skills & Technologies

- **Programming Languages:** Python, JavaScript, Bash, PowerShell
- **Cloud Computing:**
    - AWS: VPC, EC2, S3, CloudWatch, SES, WAF, ELB
    - GCP: VPC, Compute Engine, Cloud Storage, Cloud Monitoring
    - Microsoft Azure: Virtual Network, Virtual Machine, App Service, App Gateway, Storage account, Key Vault, Azure Monitor
- **DevOps & Automation:** Terraform, Ansible, Docker, Kubernetes, TeamCity, GitHub Actions, Jenkins
- **Databases:** MongoDB, PostgreSQL, MySQL
- **Web Development:** React, Node.js, Express.js, Django, Flask, Redux, Redis, Bootstrap, Material UI

Work Experiences

Cloud Software Engineer II   Jan 2023 – Present
HP Inc.

- Developed and managed marketplace products on **AWS** and **GCP**, implementing **automated pipelines with TeamCity** and **Ansible** to build cloud images, ensuring users had seamless access to the latest product versions
- **Key contributor** to the **successful launch** of the joint **HP/Microsoft project**, *HP Anyware for Windows 365*. Developed **web applications** using **Node.js** and **React**, and deployed using **Azure App Services**, ensuring **seamless operation** and **scalability**
- Designed and implemented a **logging** and **monitoring solution** for web applications using **Azure Monitor**, collecting and filtering logs to display **critical issues** on a **dashboard**, **streamlining** the troubleshooting process and **reducing debugging time** by **30%**
- **Collaborated with cross-functional teams**, including **Microsoft**, to gather requirements, develop solutions, and ensure **successful project delivery**

Associate Software Developer Co-op   September 2021 – August 2022
HP Teradici

- Developed and maintained **Terraform, Bash, PowerShell,** and **Python** cloud deployment scripts to **automate** the process for customers to build the **HP Anyware product environment** on **AWS** and **GCP**
- Integrated **Cloud logging** and **monitoring services** to **improve efficiency** for **troubleshooting** and **scaling** on **AWS** and **GCP**
- Maximized **software robustness** with comprehensive **automated TeamCity pipelines**

- Participated in the **full SDLC** of internal applications from **designing, implementing, to deploying** using **AWS, GCP**, and **Bitbucket**

Junior Backend Developer & Systems Engineer Co-op   May 2021 – August 2021
Intellyon Inc.

- Developed and maintained **cloud infrastructure** on **AWS**, improving **server availability** and securing with **customized WAF**
- Utilized **Python OpenCV** technology to generate **video timelines**, enhancing **user experience** and **accuracy**
- Implemented and maintained **user notification system** with **Python** and **AWS SES**
- Designed and developed an **admin portal** with **Django** to manage **user accounts** and **post content**
- Participated in **designing** and **managing** a **PostgreSQL database** to ensure **accurate** and **effective** data use

Store Manager/Owner   April 2018 – April 2020
Tomley's Market

- Responded to customers' **inquiries, complaints,** and **requirements** in a **timely** and **professional** manner
- Managed **weekly planning**, including **employee scheduling**, **delivery schedules**, and **stock management**
- **Hired new employees**, provided **work safety training**, and integrated them into the team
- Maintained **supplier relationships** to ensure **smooth operations**

Education

Diploma, Computer Information Technology, With Distinction   Jan 2020 – Dec 2022
- British Columbia Institute of Technology, Vancouver, BC

Interests & Activities

- **Cooking**
  - Enjoy experimenting with new recipes and flavors, focusing on creating balanced and healthy meals
- **Hiking**
  - Passionate about exploring new trails and outdoor adventures, emphasizing perseverance and physical fitness
- **Fitness**
  - Maintain a regular fitness schedule and engage in strength training, demonstrating a commitment to health and personal development through goal setting and consistency
- **Ultimate Frisbee**
  - Regularly participate in local leagues, developing teamwork and strategic thinking