Jianxia (Jessica) Zhang

(343)551-0909 | jess09zhan@gmail.com | LinkedIn

SUMMARY

Cloud Engineer / Developer with 3+ years of experience in Azure cloud administration, Infrastructure as Code, and software development. Skilled in Java, React, Angular, REST APIs, automating infrastructure, building secure scalable systems, and collaborating across teams to deliver production-ready cloud solutions. Certified in Azure Fundamentals and Terraform Associate.

TECHNICAL SKILLS

- **Cloud & DevOps:** Azure, Azure DevOps, Terraform, Jenkins, Docker
- **Programming Languages:** Java, JSON, Python, C#, C++, PowerShell scripting
- **Databases:** MySQL, MongoDB, MariaDB
- **Testing & CI/CD:** JUnit, Mockito, SonarQube, Postman, SoapUI
- **Web Development & Frameworks:** React, JavaScript, TypeScript, Angular, Node.js, HTML, CSS, .NET
- **Tools:** PowerShell, Git, VsCode, Eclipse, Android Studio
- **Soft skills:** Quick learner, Self-motivated, Problem-solving, Time management, Team-oriented player

PROFESSIONAL EXPERIENCE

Cloud Engineer / Terraform Developer   05/2025 - 09/2025 | Gatineau, QC
Public Services and Procurement Canada

- Provisioned and administered Microsoft Azure resources (VMs, storage, database, networking, RBAC) to support scalable and secure environments
- Contributed to Infrastructure as Code (IaC) development using Terraform, including the design and maintenance of modules for reusable, consistent, and multi-environment provisioning
- Implemented backup and recovery plans for VMs to ensure service continuity and minimize downtime risks
- Supported and maintained CI/CD pipelines in Azure DevOps, enabling streamlined build, release, and deployment processes
- Provided administrative support in Azure/ADO, including user onboarding, VM account creation, credential renewal, and role-based access assignments
- Developed PowerShell automation scripts to reduce manual effort and improved operational efficiency
- Participated in node-to-node MSFT testing and operated MSFT services to facilitate secure file transfers
- Collaborated with cross-functional teams on cloud migration initiatives and documented in infoWiki

Software Developer   09/2023 - 12/2024 | Ottawa, ON
Canada Revenue Agency

- Developed and tested a cloud-based RESTful APIs application with Maven (Java), Quarkus, Jenkins, SonarQube, Red Hat OpenShift, MongoDB, Azure Blob Storage, and Argo CD
- Developed an Angular Material-based web application using RESTful APIs and JSON to transform static PDF forms into dynamic, accessible online interfaces integrated with FileNet for submission
- Tested a Data Exchange API using cURL and Angular HAW interface. Documented environment setup instructions for future projects and wrote test report
- Fixed the existing bugs, tested for accuracy and updated documentation to reflect the change

CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals
- HashiCorp Certified: Terraform Associate (003)

EDUCATION

Computer Engineering Technology – Computing Science (Advanced Diploma)   05/2022 - 08/2024
Algonquin College | Ottawa, ON | Graduated with Honours | GPA 3.92 / 4.0