Peng Li
Cloud Platform Engineer

aershi@gmail.com
https://www.linkedin.com/in/thinkpeng
647-879-2477
Toronto, ON, M1W 0A5, Canada

Certified Cloud Engineer and DevOps Specialist with expertise in AWS, Terraform, and Kubernetes. Skilled in automation, security, and IaC, with a proven record of optimizing cloud solutions, achieving operational efficiency, and implementing secure, compliant infrastructures for enterprise environments.

Work Experience

Cloud-Based WMS Solution Architect & Lead
Mar 2022 - Jul 2023

WECOMTRANSIT INC. | Richmond Hill, ON, Canada

Led the design and deployment of a cloud-based Warehouse Management System on Aliyun, automating operations, enhancing security protocols, and achieving a 50% efficiency boost. Implemented IAM for secure access, ensuring compliance and reducing human error by 99.9%.

- Architected and deployed a cloud-based WMS using Aliyun, automating critical warehouse processes and reducing manual workload.
- Enhanced security by implementing IAM protocols and encryption, ensuring regulatory compliance.
- Achieved operational improvements, increasing efficiency by 50% and reducing human errors by 99.9%.
- Led cross-functional training, enabling staff to transition smoothly to the new system and maximize productivity.

Warehouse Manager | System Administrator
Mar 2016 - Feb 2022

WECOMTRANSIT INC. | Richmond Hill, ON, Canada

Managed a 30-person team to streamline warehouse operations, boosting efficiency by 50%. Improved inventory accuracy with automated processes, reduced errors by 99.9%, and enhanced staff productivity through training and workflow optimization.

- Optimized warehouse operations by implementing streamlined workflows, reducing operational delays and increasing efficiency by 50%.
- Reduced manual errors by 99.9% through rigorous staff training and inventory management audits.
- Led a team of 30 in daily operations, coordinating inventory, scheduling, and ensuring compliance with safety standards.
- Improved team productivity by introducing best practices for inventory control, resulting in faster order fulfillment.

Projects

Cloud-Based Warehouse Management System (WMS) Deployment
Mar 2022 - Jul 2023

Designed and deployed a cloud-based WMS on Aliyun, using Terraform for IaC and Kubernetes for orchestration, increasing efficiency by 50% and reducing human error by 99.9%.

- Automated core warehouse operations, reducing manual intervention by 90%.
- Enhanced security and compliance by implementing IAM and data encryption protocols.
- Led cross-functional training sessions for seamless system adoption by end-users.

AI Grading Platform
Jun 2024 - Aug 2024

Developed a cloud-based, AI-driven grading platform leveraging machine learning and automation to provide secure, anonymous, and efficient grading for academic assignments. Designed to enhance operational efficiency, data privacy, and fairness, while minimizing manual intervention and maintaining cost-effectiveness.

- Automated Grading & Feedback: Implemented AI algorithms to deliver personalized feedback within minutes, significantly reducing grading time and manual workload.
- Enhanced Data Security: Utilized encryption and role-based access control (RBAC) to ensure compliance with data privacy standards, benefiting both students and educators.

- Optimized Cost & Scalability: Leveraged cloud infrastructure to handle fluctuating workloads efficiently, minimizing costs and allowing for seamless scaling.
- Improved Fairness & Transparency: Ensured an unbiased grading process with anonymized data handling and standardized evaluation criteria.

Core Skills

Cloud Architecture (AWS Certified), Infrastructure as Code (Terraform), Kubernetes (CKA),
CI/CD & Automation (GitLab, GitHub Actions), Configuration Management (Ansible),
Container Orchestration (Docker, Kubernetes), Cloud Security & Compliance (CompTIA Sec+, IAM, AWS CloudTrail),
Monitoring & Logging, Cost Optimization, DevSecOps, Agile / DevOps Practices, Scripting (Python, Bash),
disaster recovery, computer science, networking, azure, continuous integration, software development,
financial services, banking experience, production support, network operations, research, powershell, project plan,
elasticsearch, project execution, jenkins, gcp, troubleshooting, inquisitive, problem-solving, prometheus,
technical support, technical expertise, system documentation, performance indicators,
software development life cycle, identify problems, problem-solving skills, resolve issues

Education

SENECA POLYTECHNIC
Jan 2024 - Aug 2024

Graduate Certificate Cloud Architecture & Administration
GPA 4

TRENT UNIVERSITY
Sep 2003 - Jun 2006

Bachelor of Business Administration Business Administration
GPA 3.89

Certificates

Certified Kubernetes Administrator
Nov 2024

Cloud Native Computing Foundation (CNCF)

Terraform Associate (003)
Oct 2024

HashiCorp

AWS Certified Solutions Architect – Associate
Jul 2024

Amazon Web Services (AWS)

CompTIA Security+
Dec 2023

CompTIA

Google Cybersecurity Certificate ()
Oct 2023

Google