CHENJIE NI

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WORK EXPERIENCE

Back-end Engineer, Ecopia Tech Corp.   May 2021 - Dec. 2024
Full-time | Python, Golang, C++, AWS, Docker   *Toronto, ON*

- Managed and optimized 6 imagery data ingestion pipelines, preprocessing terabytes of high-resolution satellite and aerial images daily
- Engineered advanced geospatial post-processing tools using C++, tailoring AI-generated high-precision vector results to 100% meet unique client specifications
- Built a permission management system on top of AWS IAM, enforcing the least-privilege principle in a complex multi-account AWS environment with 10k+ resources
- Reduced monthly AWS bills by 33%, achieving $600k in annual savings by optimizing resource utilization

Full-stack Developer, Crowdmark Inc.   Jun. 2019 - May 2021
Full-time | Ember.js, Ruby on Rails, AWS, Terraform, Python   *Toronto, ON*

- Engineered a highly scalable OMR grading system for multiple-choice questions using affine transformation techniques, deployed on AWS Lambda, capable of processing 1000+ sheets concurrently
- Optimized the student assessment data upload workflow, lowering the average network latency by 57%
- Developed reusable IaC modules from scratch and imported existing AWS resources with 0 downtime
- Resolved 95% of user-reported high-priority issues within 24 hours, collaborating with the customer success team to improve user experience

Cloud Engineer, Easy Group Inc.   May 2018 - Nov. 2020
Part-time | AWS, LMS, VOD, Oracle APEX   *Toronto, ON*

- Migrated existing Oracle APEX applications from Oracle Cloud to AWS which led to a cost saving of 32% and enhanced the security of integrations with other AWS services
- Deployed and maintained the Learning Management System with 99.9% uptime, serving 800+ users mainly in Asia and North America

EDUCATION

University of Toronto, St. George Campus   Sep. 2015 - Jun. 2019
HBSc. *with high distinction* in Computer Science   *Cumulative GPA: 3.95 / 4.0*

CERTIFICATIONS & ACCOMPLISHMENTS

Stack Overflow Contributor (12k+ reputation, 857k+ users reached)   2020 - Present
AWS Community Builder   2020 - 2022
AWS Certified Solutions Architect - Professional Certification   Jul. 2021

SKILLS

Languages	Python, SQL, Golang, C++, JavaScript, Ruby, Bash, HCL
Cloud Providers	AWS, GCP, Azure
Dev Tools	Git, REST, React, Vue, Ember, jQuery, MySQL, PostgreSQL, NoSQL, OLAP, Redis
Ops Tools	Linux, Docker, Terraform, Ansible, CI/CD, TCP/IP networking, nginx
Other Tools	LaTeX, Markdown, Jekyll, ESXi, Proxmox, OpenWrt, Raspberry Pi, Network proxies