# CHENJIE NI

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 chenjie-ni ◇ chenjie ◇ jellycsc

PROFESSIONAL EXPERIENCE

Back-end Engineer, Ecopia Tech Corp.　　　　　　　　　　　　　　　May 2021 - Present
Full-time | React.js, Golang, AWS, Docker, Python, C++　　　　　　　　*Toronto, ON (Remote)*
- Developed and maintained the Ecopia Map Platform which is an end-to-end geospatial analysis tool
- Enforced the least-privilege principle in a complex multi-account AWS environment with 10k+ resources
- Managed S3 buckets storing petabyte-scale data securely and cost-efficiently

Full-stack Developer, Crowdmark Inc.　　　　　　　　　　　　　　Jun. 2019 - May 2021
Full-time | Ember.js, Ruby on Rails, AWS, Terraform, Python　　　　　　　　　*Toronto, ON*
- Developed a robust OMR system which uses affine transformation techniques to automatically recognize and grade multiple-choice questions. The system is deployed on AWS Lambda which scales to 1000+ concurrent running instances in less than a minute during peak load.
- Wrote Terraform IaC from scratch and imported all existing AWS resources with zero downtime
- Worked closely with the customer success team to address issues raised by the customers

Cloud Infrastructure Engineer, Easy Group Inc.　　　　　　　　　　May 2018 - Nov. 2020
Part-time | AWS, Moodle, VOD, Oracle APEX, Network Admin　　　　　　　　　*Toronto, ON*
- Migrated existing VPSs and APEX from Oracle Cloud to AWS to save cost and improve reliability
- Deployed cloud-native solutions using AWS CDK to reduce latency for Chinese users by up to 96%
- Implemented and managed multiple AWS Direct Connect (DX) links and site-to-site IPSec VPN tunnels

EDUCATION

University of Toronto, St. George Campus　　　　　　　　　　　　Sep. 2015 - Jun. 2019
Honours Bachelor of Science *with high distinction*　　　　　　　**Cumulative GPA: 3.95 / 4.0**
- Specialist in computer science focusing on artificial intelligence and computer vision. Minor in math.

HONORS, AWARDS & ACCOMPLISHMENTS

Member of AWS Collective on Stack Overflow (11k+ reputation, reached 681k+ people)	2020 - Present
AWS Certified Solutions Architect - Professional Certification	Jul. 2021
AWS Community Builder, Amazon Web Services Inc.	Oct. 2020 - Present

TECHNICAL SKILLS

Languages	Python, JavaScript/Node.js, Ruby, Bash, HCL, HTML, SQL, C, CSS, Java
Cloud Providers	AWS (w/ deep understanding and 5+ yrs exp.), GCP, Azure
Dev Tools	Git(Hub), SVN, Vue.js, Ember.js, jQuery, Ruby on Rails, Serverless, NoSQL
Ops Tools	Linux, AWS CDK, Docker, Terraform, Terragrunt, Ansible, CircleCI, TravisCI
Other Toolset	LaTeX, Markdown, Jekyll, ESXi, Proxmox, OpenWrt, Raspberry Pi, Network proxies

RELEVANT PROJECTS

Exam101, an online resource sharing platform (Vue.js + Serverless Python)　　　　Aug. 2020
- Built a fully serverless app using NoSQL DynamoDB, AWS Lambda and Amazon S3