



Longy Zhang(longhan Zhang)

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Personal Portfolio:

<https://longy Zhang.github.io/react-portfolio-website/>

PROFESSIONAL SUMMARY

- *Smallworld Software developer with 1+ year experience in developing legacy software, skilled in the Magik language, GIS system administration.*
- *Cloud System Administrator with 2+ years of experience in managing AWS infrastructure and automating processes. Skilled in Python scripting, DevOps tools, and GIS development, delivering optimized, high-availability cloud solutions.*

EDUCATION

Bachelor of Computer Science, University of Adelaide (Minor in AI) — Feb 2017 – Nov 2020

- **Overall GPA: 5.07 | Final Year Average: Distinction**

Career development in training and certificates

March 2023– Present

- Completed AWS Cloud practitioner courses on Udemy and certificated [Certified Cloud Practitioner badge](#)
- Completed AWS Solution Architect courses on CloudGuru and certificated [Certified Solution Architect badge](#)
- Completed ITIL® 4 Foundation - IT Service Management Certification
- Active **learning** the AWS Certified Developer on **CloudGuru**

Professional Experience

ESRI Australia, Managed Services Cloud Team, QLD— Cloud System Administrator (Full-time) Jan 2023 -

Present

1. *Managed and troubleshot the large scale of AWS infrastructure for **hundreds of EC2 instances** on Windows and Linux.*
2. *Resolved critical **CrowdStrike incident** in July 2024 and **AWS incident** in July 2024, preventing potential security breaches.*
3. *Automated resource audits and patching using **Python** and **PowerShell**, improving operational efficiency by 25-30%.*
4. *Troubleshoot, diagnose and resolve **network issues** On AWS-hosted infrastructure for multiple clients*
5. *Utilised **Ansible** and **Terraform** for automated software deployments, and customized CloudWatch agents for real-time system monitoring.*
6. *Deployed and designed a **Monitoring agent** on client systems using **Pingdom**, **AWS CloudWatch**, and **Sumologic**, leading to proactive issue resolution.*
7. *Managed **on-call** responsibilities for critical cloud infrastructure, ensuring 24/7 availability and rapid incident response.*

We Do IT, SA— GIS Software Developer (Full-time) July 2021- Jan 2023

1. Developed and deployed multiple GIS projects using **Magik language** and Batch scripts, automating data

- processing tasks.
2. Led the migration of the GIS team's source code to GIT, implementing **version control** for improved efficiency.
 3. Automated workflows such as ticket transfers between Outlook and vFire using MS Power Automate.
 4. Participated in monthly Smallworld **deployments and OS patching** for GIS systems, ensuring smooth operation and updates.

CORE COMPETENCIES

Relevant knowledge, Skills and Training

- Experience in programming language: C++, Python, Javascript & HTML5 CSS, Magik, Batch, and .Net MVC
- Familiar with AWS stack: EC2, S3, VPC, RDS, CLI, Cloudwatch, WAF, IAM and System Manager.
- Experience in Script Type: Batch, PowerShell, JSON, XML
- Experience in DevOps tools: Terraform and Terraform Cloud, Ansible Automation Platform
- Great problem-solving skills and learning skills for tech (Google, Stack Overflow, GeeksforGeeks, W3Schools)
- Great coding style (Comment, Indentation)
- Data analysis (SQL, Access, Excel, Matlab, PowerBI)
- GIS Software (ArcGIS, Smallworld and QGIS)
- Data visualization (Python, Matplot, Seaborn, Geopanda)
- Database management(MSSQL, Mysql, Postgres)Source control (GIT, subversion, Github, Bitbucket and Azure DevOps repo)
- Issue management (Kanban, Rmtrack, Jira, vFire and Azure DevOps board)
- Monitoring tool(Sumologic,Pingdom,Crowdstrike)

Personal Projects

- **Personal Portfolio Website (2022):** Built with React, HTML5, CSS3, showcasing various projects.

<https://longy Zhang.github.io/react-portfolio-website/>

- **Subaru Online Shopping Page (2022):** A static e-commerce site using HTML and CSS for design practice.

https://longy Zhang.github.io/shopping_website_static.github.io/

- **React Todo List (2022):** Developed using React to enhance state management skills without Redux.

https://github.com/LongyZhang/React_TodoList

References

References Available Upon Request