

Kyaw Htet Hein

Cloud Engineer



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📍 Vietnam

🚩 Myanmar

📅 28/08/1995

🎓 EDUCATION

**Bachelor of Electronic
Communication Engineering**
Magway Technology University
Magway, Myanmar

📄 CERTIFICATES

- CS50P (Harvard / edX)
- ICT foundation Course

🌐 LANGUAGES

English

Burmese

👤 PROFILE

Cloud Engineer with hands-on experience designing and deploying secure, scalable serverless applications on AWS. Skilled in Terraform Infrastructure as Code, AWS CloudFront, S3, API Gateway, Lambda, DynamoDB, IAM, CloudWatch, Linux, Git, and CI/CD automation. Experienced in building REST and WebSocket-based cloud applications, implementing least-privilege access controls, and delivering secure static hosting through CloudFront Origin Access Control. Strong troubleshooting, networking, automation, and systems-engineering background, with a practical focus on reliable, cost-effective cloud solutions..

🧩 EXPERIENCES

Six-Player Serverless Multiplayer Game

- Built and deployed a six-player serverless multiplayer party game using Terraform and AWS.
- Provisioned CloudFront, private S3 hosting, API Gateway WebSocket APIs, Lambda, DynamoDB, IAM, and CloudWatch using Infrastructure as Code.
- Implemented real-time multiplayer lobbies with room codes, player-ready status, live game-state synchronization, and leaderboards.
- Designed event-driven Lambda handlers for WebSocket connections, disconnections, room joins, game actions, and state broadcasts.
- Stored game rooms, player sessions, scores, and connection records in DynamoDB with TTL-based cleanup for inactive sessions.
- Applied least-privilege IAM policies and CloudFront Origin Access Control to secure application infrastructure and static assets.

Serverless Match Queue Platform

- Deployed a serverless badminton match-queue web application on AWS using Terraform Infrastructure as Code (IaC).
- Provisioned and configured CloudFront, private S3, API Gateway, Lambda, DynamoDB, and IAM through Terraform.
- Implemented secure static hosting with CloudFront Origin Access Control (OAC) and a private S3 bucket.
- Built a Node.js Lambda API for live match queues, player management, and passcode-protected admin updates.
- Automated repeatable AWS infrastructure deployment using version-controlled Terraform configurations.



PROFESSIONAL EXPERIENCE



SKILLS

Cloud & Infrastructure: AWS (S3, CloudFront, API Gateway, Lambda, DynamoDB, IAM, CloudWatch), Terraform, Infrastructure as Code (IaC), Serverless Architecture

DevOps & Automation: Git, GitHub Actions, CI/CD, AWS CLI, Linux, Bash, PowerShell

Backend & APIs: Node.js, JavaScript, REST APIs, WebSocket APIs, JSON, DynamoDB

Security & Networking: IAM, Least-Privilege Access, CloudFront Origin Access Control (OAC), VPC Fundamentals, DNS, HTTP/HTTPS, CORS

Engineering: Troubleshooting, System Design, Monitoring, Documentation, Cost-Aware Cloud Design

Team Leadership & Staff Coordination

Technical Communication

Vendor Coordination



VOLUNTEERING

Badminton Head Coach

Rangsit International College badminton Club
Thailand

Badminton Coach

Regional Coach
Natmauk, Myanmar