Aye Chan (Ethan)

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Portfolio Website: https://aye-chan.net　　　　　LinkedIn: www.linkedin.com/in/aye-chan-ethan

GitHub: https://github.com/Aye-Chan009

About Me

Fast learner and adaptable team player with a background in IT, coding, and telecommunications. Led a 5-person team in a 24/7 Network Operations Centre, developing strong problem-solving skills under pressure. Now focused on cloud and full-stack development, with hands-on experience building scalable, serverless apps using AWS and React. AWS Certified, bilingual in English and Burmese, and fully authorized to work in Australia (Permanent Resident).

Technical Skills

- **Languages**: JavaScript (ES6+), HTML5, CSS3, SQL
- **Frameworks & Libraries**: React, Bootstrap
- **Cloud & DevOps**: AWS Lambda, DynamoDB, API Gateway, S3, CloudWatch, IAM, EC2, Route 53
- **Tools & Platforms**: Git, GitHub, VS Code
- **Database Technologies**: DynamoDB, MySQL
- **Currently Learning**: Python, Django, Node.js
- **Other**: Responsive Web Design, Team Leadership, Bilingual (English & Burmese)

Work History

Senior Associate Engineer　　　　　　　　　　　　　　Mar 2018 - Mar 2025
Singapore Telecommunications Limited (SingTel)

- Led a 5-person team in a 24/7 Integrated Network Operations Centre (INOC).
- Performed root cause analysis of network alarms across mobile, broadband, and voice services.
- Coordinated incident escalation and collaborated with stakeholders to resolve critical network issues.
- Managed change activities and daily shift reporting, ensuring quality and compliance.

IT Help Desk Technician　　　　　　　　　　　　　　　Jul 2014 - Nov 2015
Polar Puffs & Cakes Pte Ltd, Singapore

- Provided IT support for HQ, factory, and 28 outlets across Singapore.
- Maintained and serviced desktops, POS machines, networks, and servers.
- Set up backup systems and liaised with third-party vendors for IT solutions.

Projects

Cloud Resume Challenge - www.aye-chan.net

GitHub Repo: https://github.com/Aye-Chan009/Resume

- Created a personal portfolio website using HTML, CSS and JavaScript. Implemented responsive design to ensure compatibility across different screen sizes.
- Deployed serverless on AWS S3, using Route 53 for DNS and HTTPS security. CloudFront for faster delivery of static content.
- Included visitor counter using DynamoDB for database, API gateway for API and Lambda with Python to update database. Added a functional contact form that sends emails via AWS SES.
- Created GitHub Action to automatically push changes to AWS S3 for CI/CD.

MovieDB Website - www.ayechanmdb.com

GitHub Repo: https://github.com/Aye-Chan009/Movie-Browser

- Fetched movie data from the TMDb API. Built the frontend using React with reusable components and responsive design for different screen sizes.
- Backend is built using AWS Lambda (Node.js) and API Gateway to handle review submissions and retrieval. Used DynamoDB to store user reviews.
- Implemented Amazon Cognito for secure user account creation and authentication. Configured Route 53 for DNS management and HTTPS security via SSL.
- Deployed on AWS Amplify with CI/CD from GitHub and built-in caching via CloudFront.

Education and Certifications

Bachelor of Computer Science (Digital Systems Security)

University of Wollongong, Australia (Singapore Campus)

- Focus: System & Network Security, Distributed Systems, Cloud Computing.

Diploma in Computer Engineering

Singapore Polytechnic

- Focus: Structured Programming, Object Oriented Programming, System Design, TCP/IP.

Certifications:

- AWS Certified Cloud Practitioner (Verify)   Expires Jun 2027
- AWS Certified Developer Associate (Verify)   Expires Nov 2027
- AWS Certified Solutions Architect Associate (Verify)   Expires Mar 2028

References

Available upon request.