Zaw Wai Soe

Senior Backend Developer

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Chiang Mai, Thailand

Professional Summary

Senior Backend Developer with 6+ years of experience designing and scaling backend systems for production applications, including MySpectrum, my own side project that now serves **nearly 70,000 active users**. In addition to backend development, I have taken direct ownership of cloud infrastructure: I provision AWS services (Lambda, API Gateway, CloudFront, S3, CloudFormation), set up real-time error monitoring and alerting, and manage deployments for high-traffic systems. I have shipped **10+ live mobile applications** to market through company work. I hold the AWS Certified Cloud Practitioner, the CKA and a Terraform Certification, and I have growing hands-on expertise in Docker, Kubernetes and Terraform. I regularly use AI-assisted coding tools (GitHub Copilot, Claude Code) to speed up development and work across unfamiliar codebases. I am currently pursuing a Master's in Multi-Cloud Computing at Chiang Mai University to deepen my cloud and DevOps expertise.

Key Skills

Node.js / NestJS APIs · Redis caching · MySQL query tuning · AWS serverless (Lambda, API Gateway) · CI/CD pipelines · Monitoring and alerting · Kubernetes and Docker · Terraform

Work Experience

Joy Group International

Apr 2024 - Oct 2025

Senior Backend Developer

Thailand

- Designed and maintained backend APIs (Node.js, NestJS) powering Android and iOS applications, as well as internal admin dashboard systems
- Implemented Redis caching to improve API response performance across high-traffic endpoints
- Built and shipped 5 production mobile applications - Market Price Pro, Shwe Alote, Car Sayar, Aung Property, and Company Job - from backend design to deployment
- Grew Market Price Pro into one of Myanmar's most widely used apps, delivering real-time currency exchange rates and commodity pricing (gold, oil, mobile devices, electronics) to users nationwide
- Built CI/CD pipelines to automate build and deployment
- Implemented database indexing and partitioning, backup strategies and disaster recovery on AWS

Lastoenjoy

Jul 2022 - Apr 2024

Senior Backend Developer

Myanmar

- Designed and maintained backend systems for real-time online gaming platforms, including currency/wallet management, reward distribution, and account management modules
- Built and optimized high-traffic REST APIs integrated with MySQL, handling continuous concurrent requests with strong data consistency
- Developed serverless microservices (AWS Lambda, API Gateway) for core platform features including notifications and JSON-based API responses
- Implemented real-time error monitoring and alerting using the Serverless Framework to ensure rapid incident detection
- Managed cloud infrastructure (AWS CloudFront, S3, CloudFormation) and handled multi-timezone data processing across regions
- Optimized MySQL queries to reduce resource usage and improve database performance under high load
- Used AWS Aurora and ElastiCache in the platform's AWS database and caching layer

7r48 IT Solutions

Dec 2020 - May 2022

Backend Developer

Myanmar

- Developed and implemented software solutions based on client requirements, using Node.js for backend development
- Tested and refined software prior to rollout
- Released ad hoc product patches

7r48 IT Solutions

May 2018 - Dec 2020

Android Developer

Myanmar

- Designed and created applications to solve pain points for various clients
- Checked feasibility of software prototypes
- Maintained code to fix errors

Projects

MySpectrum - Own Side Project *nearly 70,000 active users*

Side project built with my team; I led the system design and architecture.

Java, PHP, MySQL, Lambda, API Gateway, DynamoDB, CloudWatch, Datadog

Market Price Pro - Backend Development

Real-time currency exchange rates and commodity pricing app; one of Myanmar's most widely used apps.

Foodie

Delivery system built at university.

PHP, MySQL

Education

Master of Computer Science - Multi-Cloud & Cloud Computing Chiang Mai University — Jul 2025 - Nov 2027 (Expected)

Thesis: Multi-Cloud Workload Placement Optimization using Multi-Objective Evolutionary Algorithms (proposal approved; in progress). A Python system that places web application services across AWS, Azure and Google Cloud (GCP), balancing cost, latency and performance, and generates Terraform or Kubernetes templates managed with GitOps.

B.Sc (Hons) Computing - First Class Honours (Top-up Degree) University of Greenwich — Jun 2023 - Apr 2024

Bachelor of Engineering - Coursework Completed (Program Interrupted, 2021) University of Technology (Yatanarpon Cyber City) — Dec 2014 - Feb 2021

Led the university development team; competitions: Yetagun International Youth Program (Regional Selection, 2017), Ooredoo Hackathon (2017), MPT Entrepreneurship Competition (Best of 8, 2018).

Certifications

Terraform Certification		Feb 2026
CKA - Certified Kubernetes Administrator	CNCF	Nov 2024
AWS Certified Cloud Practitioner	Amazon Web Services	Sept 2021

Technical Skills

Backend: TypeScript, Node.js, Nest.js, Express.js, Python, Java, J2EE, PHP

AWS: Lambda, API Gateway, EC2, S3, CloudFront, IAM, Route53, VPC, Elastic Beanstalk, Lightsail, RDS, Aurora, ElastiCache, DynamoDB, CloudWatch

Cloud Technologies: Kubernetes, Docker, Terraform, Vault **DevOps & Monitoring:** CI/CD pipelines, CloudWatch, Datadog

Databases & Systems: MySQL, RDS, Aurora, DynamoDB, MongoDB, Firebase, Redis, MVC, API

Frontend: React JS, JavaScript, HTML, CSS, Tailwind CSS, Bootstrap, jQuery, AJAX **Mobile:** Java, Flutter

Scripting: Bash, terminal scripting (self-taught, personal projects) **Version Control:** GitHub, Bitbucket

Languages: English (Professional Working Proficiency, B2), Burmese (Native)