

CHAN NYEIN KYAW

Technical Lead / Senior Full-Stack Developer

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PROFESSIONAL SUMMARY

Hands-on Technical Lead and Senior Full-Stack Developer with 17+ years of experience engineering secure, scalable business systems across recruitment, fintech, e-commerce, insurance, and logistics. Expert in Node.js/NestJS, Python/FastAPI, C#/.NET, cloud architecture, and microservices. Proven track record of translating complex business requirements into clean, maintainable architecture, managing engineering teams, and optimizing delivery standards to drive long-term business growth. PMP certified.

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, TypeScript, Python, C#

Backend: Node.js, Express.js, NestJS, FastAPI, ASP.NET Core (.NET 6), Redis, RabbitMQ, REST API Design

Frontend: React, Next.js, React Native

Databases: PostgreSQL, MySQL, Microsoft SQL Server, Oracle, MongoDB

ORM / Data: TypeORM, Prisma, Entity Framework, Mongoose

Testing: Jest (coverage), Supertest (E2E), Test Automation

Cloud / DevOps: AWS, Azure, GCP, Docker, Kubernetes, GitLab CI/CD, GitHub Actions

Engineering Leadership: System Design, Technical Roadmap Planning, Cross-Functional Leadership, Risk Mitigation, Vendor & Core Integration, Team Mentorship, Agile/Scrum, Performance Tuning, Code Reviews

PROFESSIONAL EXPERIENCE

Lead Full-Stack Developer | TECHNICRON

Jul 2024 - Jul 2026

Bangkok, Thailand

- Led a team of 8 engineers using Agile/Scrum practices to build a recruitment platform across backend services, mobile apps, and web applications using Node.js/NestJS, React Native, React/Next.js, PostgreSQL, Prisma, Redis, Docker, GitHub, and GCP.
- Architected scalable backend systems and product features, establishing secure API standards and reliable data flows to protect candidate and recruiter PII across all platforms.
- Developed a marketing email analytics backend using Python/FastAPI with HubSpot integration, enabling campaign performance tracking, email engagement analysis, and automated customer interaction data processing.
- Implemented backend testing practices using Jest for coverage and Supertest for E2E API validation, improving release confidence and reducing regression risk.
- Introduced Docker-based CI/CD pipelines that removed manual deployment steps and reduced release cycle time by 40%, helping the team deliver faster.
- Established code-review standards, reusable engineering patterns, and onboarding practices that help new developers contribute faster and improve delivery velocity.
- Owned post-release operations, including incident analysis, performance tuning, and continuous improvement of critical services.

Technical Lead | RingZero IT Services

Nov 2023 - Jun 2024

Bangkok, Thailand

- Led delivery of a multi-tenant e-commerce platform using Node.js/NestJS microservices, React micro-frontends, React Native, MySQL, TypeORM, RabbitMQ, Redis/AWS ElastiCache, Docker, Kubernetes, GitLab CI/CD, and AWS CloudFormation.
- Introduced Jest coverage and Supertest E2E testing for backend services, strengthening API quality and improving confidence in production releases.
- Optimized multi-tenant platform performance through query tuning, Redis/AWS ElastiCache caching, and service-level refactoring, reducing average API response time by 20% and improving stability under peak traffic.
- Defined service boundaries for product, order, customer, and transaction domains, enabling independent deployment, horizontal scaling, and clearer ownership across a multi-tenant platform.
- Applied secure development practices across the stack, including RBAC, input validation, secrets management, and customer PII protection.
- Steered Agile roadmap planning and architecture reviews for a 7-engineer team, maintaining predictable delivery schedules while fostering engineering growth through structured mentoring and technical guidance.

Systems Analyst Lead | Dai-ichi Life Insurance Myanmar

Nov 2022 - Oct 2023

Yangon, Myanmar

- Maintained a Policy Archive System with C#/.NET 6, ASP.NET Core MVC, SQL Server 2019 and Crystal Reports for enterprise insurance policy management.
- Built payment-integration middleware with Node.js/NestJS and ELK, reducing third-party vendor costs while supporting tens of thousands of high-volume daily insurance transactions across active policyholders.
- Led a systems analyst team, wrote technical specifications, and managed production support, improving incident response and system reliability.

Solution Architect | Hana Microfinance**Mar 2021 - Oct 2022***Yangon, Myanmar*

- Helped improve backend application performance for the agent platform built with PHP/Lumen, MySQL, and AWS.
- Designed a new mobile application for the agent platform and led a team of 6 engineers through delivery.
- Defined solution architecture, integration patterns, and technical standards for the agent platform, ensuring scalability, security, and alignment with business requirements.

IT Superintendent | Hutchison Ports**Aug 2016 - Feb 2021***Yangon, Myanmar*

- Managed 3 engineers and designed, built, enhanced, and supported mission-critical port and logistics systems for billing, warehouse management, procurement, and tractor management using C#.NET, ASP.NET MVC, SQL Server, and Crystal Reports.
- Developed a Universal Reporting System against Oracle 11g, improving operational visibility for billing, warehouse, procurement, and port operations teams.
- Optimized SQL Server indexes and query plans, reducing report generation time by more than 50% for frequent operational reports and improving daily decision-making for operations teams.

EARLIER CAREER

- **Senior Software Developer | Myanmar Metro Bank, Yangon (Oct 2013 - Jul 2016):** Built and maintained a Remittance System with C#/ASP.NET 3.5 and SQL Server 2012 for high-volume banking transactions, supported Temenos Core Banking integrations and mentored junior developers.
- **Software Developer | Hexagon Systems, Yangon (Jan 2011 - Sep 2013):** Developed a POS system with C# Windows Forms and SQL Server for retail environments.
- **Junior Software Developer | IT Myanmar, Yangon (May 2009 - Dec 2010):** Built customized ERP modules with VB6 and SQL Server 2000 for enterprise clients, building a strong foundation in SDLC and database-driven systems.

EDUCATION & CERTIFICATIONS

- **Bachelor of Computer Science** - University of Computer Studies, Yangon, Myanmar (2007)
- **Project Management Professional (PMP)** - Project Management Institute
- **Microsoft Certified Technology Specialist (MCTS)** - Software Development

LANGUAGES

English - Professional working proficiency**Myanmar (Burmese)** - Native