AUNG PAING TUN

Backend Developer (Java / Spring Boot) · QA Automation
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SUMMARY

Computer Science student (CGPA 3.66) building backends with Java, Spring Boot and PostgreSQL. Built an Android app now in use at 4 WiFi shops in Myanmar, and deployed a full-stack app with 23 REST endpoints, 210+ automated tests and CI. Seeking a software internship, Jan – May 2027, as the required Cooperative Placement in my degree.

EDUCATION

UCSI University, Kuala Lumpur Feb 2026 – Dec 2028 (expected)
Bachelor of Computer Science (Honours)
- CGPA 3.66 / 4.00 · Dean's Honour List (Feb 2026, May 2026) · UCSI University Trust Scholarship holder
- **Relevant courses:** Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Database Management Systems, Database Administration, Cloud Computing, Software Project Management

INTI International College Subang Aug 2024 – Jul 2025
American Degree Transfer Program (Applied Science)
- CGPA 3.38

Technological University (Myitkyina), Myanmar Dec 2015 – Mar 2020
B.Eng. Mechanical, completed 5 of 6 years (the university closed in 2020)

PROJECTS

NetSlip – Android app for WiFi voucher shops | private repository Oct 2026 – present
- Makes and prints WiFi vouchers over Bluetooth straight from a MikroTik router, replacing a desktop tool; in use at 4 shops in Myanmar (2 paying licences); features built from owners' requests.
- Built its licence and update backend (Cloudflare Workers + D1): signed licences, phone approval, owner-tested updates.
- Cut busy-router screen loads from ~20 s to ~3 s; HTTPS with certificate pinning; 330+ unit tests in CI plus live router tests.

HabitQuest – Habit tracker with points and rewards | habitquest.aungpaingtun.dev | source code 2026
- Java 21, Spring Boot 4, Spring Security (JWT), JPA, Flyway, PostgreSQL; 23 REST endpoints (controller → service → repository).
- Designed the schema: a points ledger records every change so balances never drift, and row locks stop double-spending.
- 210+ automated tests (unit, Mockito, PostgreSQL integration incl. a concurrency test) in GitHub Actions CI; API on Heroku, React frontend on Cloudflare, rate-limited login.

CTF-C – AI agent that solves Capture The Flag security challenges | source code Aug 2026
- Node.js agent our team (Cooked by Code) used at the Agentic AI-Driven CTF Hackathon 2026 (held at UCSI); solves web and binary challenges with 18 typed tools.

EXPERIENCE

QA & Software Engineering Intern (part-time, remote) – Area29 Labs Jun 2026 – Aug 2026
- Tested an early version of Movio, a web app in development, every week (login, dashboard, navigation, language switch) manually and with Selenium WebDriver (Java); wrote clear bug reports and re-tested fixes.
- Built JPA entities from ER diagrams, and Next.js frontend pages with an AI coding agent, making the UI design and feature decisions myself.

Owner and Head Chef – Elysian Eats, Bhamo, Myanmar Sep 2023 – Apr 2024
- Started and ran my own restaurant: hired and trained 4 staff, cooked as head chef, served 50–70 customers a day.

Automotive Diagnostics Intern – KKK Automotive Training Center, Yangon Sep 2022 – Dec 2022
- Diagnosed car faults with ECU scan tools and repaired them; built PCB circuits.

ACTIVITIES

- **Top Coders Malaysia 2026**, UCSI round (Aug 2026): team problem-solving contest in Python.
- **Agoda Tech Camp Day**, UCSI (Apr 2026): hands-on workshop; built an AI search app with RAG (embeddings, vector search, OpenAI API).

SKILLS

Backend: Java, Spring Boot, Spring Security, JPA / Hibernate, REST APIs, PostgreSQL, SQL, Flyway; also Kotlin (Android, Jetpack Compose), Python, TypeScript
AI-Assisted Development: Claude Code and OpenCode (used to build CTF-C and NetSlip)
Testing & Delivery: JUnit, Mockito, Selenium WebDriver, manual testing, Git, GitHub Actions (CI/CD), Docker, Heroku, Cloudflare
Languages: Burmese (native), English (fluent)