

Muhammad Abqari Zulkifli

Cyberjaya, Selangor — abqari777@gmail.com — +60 18-370 7173 — linkedin.com/in/muhammad-abqari-zulkifli — enfernai777.github.io

SUMMARY

AI developer and cybersecurity specialist focused on **agentic AI** and secure full-stack systems. Delivered a real-time restaurant ops platform (**Smart Kitchen**) by integrating **AWS** and **Strands SDK** for intelligent orchestration. Proficient in **Next.js**, **TypeScript**, **Supabase**, **PostgreSQL**; experienced with **Selenium**, **Robot Framework**, **JMeter**, **Swagger** for QA/performance; deploys NLP Pipelines with measurable impact.

EXPERIENCE

Telekom Malaysia R&D (TM R&D) <i>Intern, Quality Engineer</i>	Cyberjaya, Malaysia Mar. 2025 – Sep. 2025
<ul style="list-style-type: none">Cut test cycle time 25% across Smart City modules by automating 60 end-to-end cases with Selenium & Robot Framework, streamlining regression packs.Drove 100% sprint completion pre-MVP by triaging, logging, and closing 15+ defects; partnered with developers to lower reopen rate via root-cause fixes.Boosted DroneDB API reliability by executing Swagger+JMeter performance suites to surface throughput bottlenecks and stabilize p95 latency.	
Toastmasters UUM <i>Vice President of Education</i>	Sintok, Kedah Oct. 2024 – Mar. 2025
<ul style="list-style-type: none">Increased member progress 25% by implementing a personalized education tracker and a mentoring cadence.Chaired 10+ meetings and standardized evaluation workflows to improve feedback quality and speaker readiness.	
Entrepreneurship & Leadership Bureau, Inasis SME Bank <i>Secretariat</i>	Sintok, Kedah Dec. 2022 – Oct. 2023
<ul style="list-style-type: none">Coordinated 5+ events (50+ attendees each), improving on-time starts and reducing vendor issues.Raised engagement 20% by redesigning communication scheduling and pre-event touchpoints.	
IEEE UUM <i>Active Member (Cybersecurity)</i>	Sintok, Kedah May 2024 – Present
<ul style="list-style-type: none">Led cryptography workshop (Intro to CTF) for 20+ participants; co-designed challenges and ran post-event debriefs.Supported 3 security events, expanding member participation and strengthening beginner pathways.	

PROJECTS

AI Training Effectiveness Tracker <i>AWS Bedrock, Textract, Next.js</i>	Break into AI: Hack to Hire (GECO Asia)
<ul style="list-style-type: none">Awarded 3rd Runner Up for engineering an end-to-end AI assessment engine that uses AWS Textract and Bedrock to transform static training manuals into dynamic, role-specific simulations, utilizing Elo ratings to quantify "True Skill" and bridge the corporate competency gap.	
Smart Kitchen — <i>Next.js, Node.js, AWS, Amazon Nova Pro, Strands SDK</i>	Great Malaysia AI Hackathon 2025
<ul style="list-style-type: none">Orchestrated real-time restaurant ops by integrating Strands SDK with AWS & Amazon Nova Pro, enabling intelligent task routing and order prediction.	
QAGenius — <i>NLP, Gemini API, Python, Robot Framework</i>	
<ul style="list-style-type: none">Reduced QA effort 40% by automating URS → UAT → test-script conversion; standardized test artifacts across modules.	
PhishGuard — <i>Random Forest, Feature Selection, Tableau</i>	
<ul style="list-style-type: none">Achieved 92% F1 on phishing-URL detection via feature engineering and dimensionality reduction; published visual analyses for reproducibility.	
UI Structure Mapper (Ultima) — <i>Chrome Extension, JavaScript, XPath</i>	
<ul style="list-style-type: none">Accelerated QA locator mapping with Ctrl+Click capture; published on Chrome Web Store and adopted by global QA users.	

Project Typhon — *Python, Gemini 1.5/2.5, JMeter*

- **Improved QA throughput up to 30%** by generating JMeter load tests from natural language prompts via dynamic JMX creation.

Project Geass — *React 18, Node.js, Geoapify, OpenDOSM, Gemini*

- **Optimized location decisions** by fusing AI with geospatial data for real-time, locally relevant mapping insights.

PowerCastMY — *Python, ML, Malaysia Energy Datasets*

- **Delivered energy-use forecasts** through feature-engineered models; released code open-source to encourage collaboration.

ACHIEVEMENTS

Rawsec CTF (2023)

Top-10 finalist among 200+ participants

ASCIS CTF (2024)

Final round with top ASEAN universities

IBOH CTF (2024)

Represented university in international round

EDUCATION

Universiti Utara Malaysia (UUM)

Sintok, Kedah

Bachelor of Computer Science (Hons), Major: Cybersecurity

TECHNICAL SKILLS

AI & Prompt Eng: LLM prompt design, agentic AI, agentic patterns, Gemini API, NLP Pipelines, model evaluation

Development: Next.js, React 18, TypeScript, Node.js, Express, Supabase, PostgreSQL, Vercel

Cloud: AWS, Google Cloud Platform (GCP), Docker, Kubernetes

Security: Kali Linux, Wireshark, Burp Suite, Penetration Testing, Vulnerability Scanning

QA: Postman, Selenium, Robot Framework, JMeter, Swagger, Automated testing, Performance testing

Data & BI: Tableau, Power BI, Excel

Automation: n8n, process automation, workflow automation, integration with APIs

Programming: Python, Java, C — **Languages:** Malay (native), English (fluent)

CERTIFICATIONS

Cisco: CCNAv7 — Switching, Routing & Wireless Essentials; Network Security

LinkedIn Learning: Cybersecurity Foundations; Security Architecture; Cloud Security; GRC

Microsoft Power BI Certification (in progress)

CCSD Big Data Analytics Certification (in progress)

AWS: Cloud Quest — Security (Nov 2025), Cloud Quest — Cloud Practitioner (Oct 2025), Cloud Quest — Generative AI Practitioner (Oct 2025), Academy Graduate — Generative AI Foundations (Oct 2025), Certified AI Practitioner (AIF-C01, in progress), Developer — Associate (DVA-C02, in progress), Solutions Architect — Associate (SAA-C03, in progress)

REFERENCES

Mohd. Nawawi bin Bakhtir

Senior Researcher

Telekom Malaysia R&D

Suwannit Chareen Chit a/l Sop Chit

Lecturer, School of Computing

Universiti Utara Malaysia