

Marhazli bin Kipli

CONSULTANT, SYSTEMS ANALYST & FULL-STACK ENGINEER

Kuching, Sarawak, Malaysia · Callsign 9M8HAZ (OJ51DP)

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Now: IS Executive, Sarawak Information System Sdn. Bhd. (SAINS) (since May 2017) · Freelance ICT

PROFILE

Architecting government-grade information systems, resilient server & network infrastructure and radio-connected tools — from first requirement to production.

I'm an IS Executive at Sarawak Information System Sdn. Bhd. (SAINS). Since 2017 I've moved between system analysis, Java and full-stack PHP — from a federal Ministry of Health hospital system to Sarawak state data management, the SAINS SLA Management System and E-Hidayah for JAIS Sarawak.

Alongside SAINS I do freelance work, delivering MyDigital ID integrations, monitoring platforms, lab-reporting systems and network infrastructure for agencies and companies across Malaysia.

I started programming in secondary school and haven't stopped. The habits are the same: understand the problem properly, document it honestly, and ship systems that keep running long after go-live.

20+	20+	5	9+
YEARS IN ICT	ENGINEERS LED	INNOVATION MEDALS	YEARS AT SAINS

EXPERIENCE & ROLES

IS Executive — May 2017 – Now

Sarawak Information System Sdn. Bhd. (SAINS) · Permanent

- KISWA Main Portal for JAIS Sarawak and WIMICS for the Department of Agriculture Sarawak (2026 – now).
- E-Hidayah KISWA for JAIS Sarawak (2025 – now).
- Full-stack PHP Developer (2024 – 2025): SAINS SLA Management System.
- Java Developer (2024): Sarawak State Data Management.
- System Analyst (2017 – 2024): Ministry of Health Hospital Information System; consulting with government agencies, UAT, servers and networks, initial APIs, and leading teams of 20+.

ICT Analyst, Engineer & Developer — Dec 2015 – Now

Freelance — Kuching · Freelance

- SCHeME for ENEOS Xplora Malaysia Ltd: C# AVEVA PI API integration tool and documentation (2026 – now).
- JKRDash (Consultant): integration, machine learning, server engineering and documentation (2024 – 2026) — winner of the Anugerah Inovasi Premier Sarawak & Anugerah Inovasi SCSICA 2026.
- MyDigital ID integrations with LHDNM MySTR and MyTAX (MIMOS, 2024 – 2026).
- AWS integration for MyECERDC.
- Bau District Office monitoring system; Radilab COVID-19 reporting; UiTM grading system.
- Introduced and ran a WISP and fibre service in Mukah (2016 – 2017).
- Support, e-commerce and accounting systems for client companies.

Ketua Biro ICT dan Inovasi (Head of ICT & Innovation Bureau) — Jun 2026 – Now

Persatuan Residen Samariang Aman 3 Kuching (PRESA3K) · Appointed · Community

- Appointed by the PRESA3K committee for two years, 22 Jun 2026 – 21 Jun 2028.
- Maintains the association's computer and IT systems, servers and data storage.
- Manages and updates the official website, sa3.my.
- Runs the official communication channels — WhatsApp groups and social media.
- Gives technical support and proposes ICT and innovation improvements to the committee.

Pengurus Stesen (Station Manager) — JOTA-JOTI — 2023 – 2026

Persatuan Pengakap Sarawak HQ (Sarawak Scouts) · Volunteer

- Station Manager for the Jamboree-on-the-Air / Jamboree-on-the-Internet station at Sarawak Scouts HQ, 2023 – 2026.
- 2026 as 9M8SJQ: HF antennas, Morse code, and a daily APRS check-in with e-certificates for Scouts.
- Introduces Scouts to amateur radio through fox hunts, quizzes and code-breaker challenges.

Head of IT Department
Sep 2016 – Apr 2017

Starling Industries Sdn. Bhd. · Permanent

- Systems and servers; project management across Malaysia.

System & Network Engineer / Analyst
Feb 2016 – Sep 2016

Starling Industries Sdn. Bhd. · Permanent

- Server and network infrastructure; ERP system.

System Developer (Intern)
Jun 2014 – Feb 2015

Infineon Technologies (M) Sdn. Bhd. · Internship

- Built MEQSTAT, the first in-house mobile support system.
- Enhanced the BEARMON web system.

Researcher & Assistant
Sep 2012 – Apr 2015

Universiti Teknikal Malaysia Melaka · Contract

- MAMS with UKM and JAKIM; Pin.IT; BEARMON.
- Presented a prototype to the Director of MDeC.

Developer & Webmaster
2008 – 2014

Cubinet Interactive · Aera Gaming · DJara · NZ Car Rental · Part-time

- Back-end algorithms for Perfect World: Malaysia.
- Game servers, VPS and network administration.
- E-commerce and company websites.

Photographer
2005 – 2020

Freelance — weddings, portraits, couples, events · Freelance

- Fifteen years of paid shoots across Sarawak and beyond.
- Weddings, portraits, couple sessions, events and more.

Founder & Operator
2000s

WebMAS.net IRC Network · Own project

- Ran an IRC network on UnrealIRCd and Bahamut IRCd.

SELECTED PROJECTS

SCHeME × AVEVA PI Integration Tool
ENTERPRISE · 2026 – Now

Freelance · ENEOS Xplora Malaysia Ltd.

C# integration tool connecting SCHeME with the AVEVA PI API for ENEOS Xplora Malaysia Ltd., delivered with full technical documentation.

C# / .NET / AVEVA PI / API integration / Documentation

KISWA Main Portal
GOVERNMENT · 2026 – Now

JAIS Sarawak · via SAINS

Main portal for KISWA at Jabatan Agama Islam Sarawak (JAIS).

PHP / MySQL / Web portal

WIMICS
GOVERNMENT · 2026 – Now

Department of Agriculture Sarawak · via SAINS

Weed, Insect, Micro-organism Collection Sarawak — a collection system for the Department of Agriculture Sarawak.

PHP / MySQL / Web application

SA3 Community Portal
COMMUNITY · 2026 – Now

PERESA3K · Samariang Aman 3

Residents' portal for the Samariang Aman 3 community, built as Ketua Biro ICT.

PHP / MariaDB / WhatsApp bot

E-Hidayah KISWA
GOVERNMENT · 2025 – Now

JAIS Sarawak · via SAINS

Front- and back-end maintenance of the E-Hidayah system for the Sarawak Islamic Religious Department.

PHP / Moonlight framework / MySQL / AWS RDS

DXQSL eQSL Platform
AMATEUR RADIO · 2025 – Now

cqdx.my

Web eQSL system with ADIF upload pipeline and printable QSL cards.

PHP / MariaDB / ADIF

APRSaturday Net
AMATEUR RADIO · 2025 – Now

CQ DXMY

C# APRS-IS check-in bot plus PHP API for the weekly APRS net.

C# / .NET / APRS-IS / PHP

QSO Map Analyzer
AMATEUR RADIO · 2026

9M8HAZ

Upload an ADIF log and get maps, band/mode statistics and PDF reports.

PHP / MariaDB / Leaflet / FPDF

HAZKSTREAM
ENTERPRISE · 2026

Freelance

C# WinForms HLS live streamer with a PHP viewer and upload endpoint.

C# / FFmpeg / HLS / PHP

MyDigital ID × MySTR & MyTAX
GOVERNMENT · 2024 – 2026

Freelance · MIMOS · LHDNM

Integrated the national MyDigital ID identity platform with LHDNM's MySTR and MyTAX services.

PHP / REST API / Identity integration

JKRDash
GOVERNMENT · 2024 – 2026

Freelance · Consultant

Award-winning dashboard: consultant for integration, machine learning and server engineering, with documentation.

Consulting / System integration / Machine learning / Server engineering / Documentation

ISMBAU Inventory System
GOVERNMENT · 2025

Pejabat Daerah Bau · Freelance

Asset inventory with QR-code borrow/return and six-role access control, in Bahasa Malaysia.

PHP / MariaDB / RBAC / QR

HF Propagation Tools
AMATEUR RADIO · 2025

cqdx.my

Self-hosted VOACAP-based HF propagation prediction, in PHP and C#.

PHP / C# / VOACAP

SAINS SLA Management System
GOVERNMENT · 2024 – 2025

SAINS

Service-level tracking for SAINS projects, maintained end-to-end.

PHP / MySQL / JavaScript

MyECERDC × AWS
ENTERPRISE · 2023 – 2025

Freelance · ECERDC

Cloud integration between the MyECERDC platform and AWS services.

AWS / PHP / API

Sarawak State Data Management
GOVERNMENT · 2024

Sarawak Government · via SAINS

Java development and maintenance for the state data management platform.

Java / SQL

Hospital Information System
GOVERNMENT · 2017 – 2024

Ministry of Health · via SAINS

Federal-level hospital platform: requirements, design documentation, initial SmartGWT development and UAT.

Java / SmartGWT / MySQL / SVN / MS Visio

Project Management Monitoring System
GOVERNMENT · 2023

Bau District Office

Planned, designed and built a monitoring system for district development projects.

PHP / MariaDB / JSON / AJAX

COVID-19 Lab Reporting System
ENTERPRISE · 2021

Radilab Diagnostics, KL

Lab result reporting integrated with Singapore private and government agencies for travel clearance.

PHP / MySQL / API integration

Online Assessment Grading System
INNOVATION · 2019 – 2020

UiTM Mukah

Online grading platform that won silver at two international innovation expos.

PHP / MySQL / Web

Photography & Videography
PHOTOGRAPHY · 2005 – 2020

Freelance photographer

Fifteen years behind the camera — weddings, portraits, couples, events and more.

Wedding / Portrait / Couple / Events / Photoshop / Premiere

PERYATIM Network & Servers

INFRASTRUCTURE · 2018

PERYATIM Sarawak

Improved and maintained network infrastructure and servers for the orphans' welfare body.

Networking / Linux / Windows Server

ERP & Core Infrastructure

ENTERPRISE · 2016 – 2017

Citra Alti Sdn. Bhd. / Starling Industries

ERP system and the main server and network core for a multimillion project contractor.

PHP / Linux / Networking / MS Project

WiFibre WISP

INFRASTRUCTURE · 2016 – 2017

Freelance · Mukah

Introduced and ran a wireless and fibre internet service provider in Mukah.

UBNT / MikroTik / FTTH / UISP

MEQSTAT

INNOVATION · 2014 – 2015

Infineon Technologies (M)

Mobile Equipment Stat — the first in-house mobile support system at the Melaka plant.

Android / Java / Web services

MAMS — Mosque Activity Management

INNOVATION · 2013 – 2015

UTeM · UKM · JAKIM

Multipurpose mosque management with live streaming and mapping, built with UKM and JAKIM.

PHP / Android / Live streaming / Maps

BEARMON

INNOVATION · 2012 – 2015

Infineon · UTeM

Back-End Automation RoadMap Monitoring — web-based monitoring for Infineon.

PHP / Web / SQL

Perfect World MMORPG — Elite Developer

EARLY YEARS · 2004 era – 2014

Cubinet Interactive · Aera Gaming

Elite developer in the Perfect World MMORPG scene: back-end game algorithms, private servers and community sites.

Game servers / Linux / MySQL / PHP

Pin.IT GEO Map Social Network

INNOVATION · 2013

UTeM Final Year Project

Location-based social network built as a final-year project.

PHP / Maps API / MySQL

WebMAS.net IRC Network

EARLY YEARS · 2000s

Owner & operator

My own IRC network from the early 2000s, running on UnrealIRCd and Bahamut IRCd.

UnrealIRCd / Bahamut IRCd / IRC services / Linux

IRC-Era Security Research

EARLY YEARS · 2000s

Black/white-hat years · IRC scene

In the early-2000s IRC scene I learnt how attacks work from the inside. Today that background goes into hardening the servers and networks I build.

IRC scripting / CTCP / psyBNC / Network security

SKILLS MATRIX

Java · JSP · C# · .NET · C/C++	10+ yrs	PHP · HTML5 · ASP · Python	10+ yrs
Android	10+ yrs	CodeIgniter · Laravel	9 yrs
Flash · Shockwave	8 yrs	MySQL · MariaDB · SQLite	10+ yrs
MSSQL · PostgreSQL · MDB	8 yrs	Linux · CentOS · Ubuntu · Kali	10+ yrs
Network & Server · oVirt · KVM · NAS	10+ yrs	MikroTik · UISP · Fortinet	10+ yrs
UBNT · TP-Link · FTTH / Fibre	8 yrs	Apache · WHM · XAMPP	10+ yrs
Windows Server · IIS	10 yrs	BSD	10 yrs
cPanel · DirectAdmin · Virtualmin	10+ yrs	WordPress	10+ yrs
Joomla · Mambo	8 yrs	phpNuke · vBulletin	9 yrs
Photoshop	10+ yrs	Dreamweaver	7 yrs
Audition · After Effects · Premiere	10 yrs	Illustrator	9 yrs
MS Visio · StarUML · NetLogo	8 yrs	MS Project	8 yrs
Google Workspace · OneDrive	7 yrs		

EDUCATION

Master of Advanced IT in Computer Science (coursework) — 2017
Universiti Malaysia Sarawak (UNIMAS) · Terminated · not completed

B.Comp.Sc. (Hons) Software Development — 2015
Universiti Teknikal Malaysia Melaka (UTeM)

Intensive English Course — Certified — 2008
Swinburne University of Technology, Sarawak

Diploma in Multimedia Technology — 2007
Chermai Jaya College (USM)

HONORS, LICENCES & CERTIFICATIONS

- Anugerah Inovasi Premier Sarawak & Anugerah Inovasi SCSICA — Kategori Agensi Utama SCS 2026 — JKRDash · Consultant — 2026
- Sijil Penyertaan — Kempen Internet Selamat — Suruhanjaya Komunikasi dan Multimedia Malaysia (SKMM / MCMC) — 2026
- Sijil Penghargaan — Petugas Sukarela, Program Gotong-Royong Komuniti — PRESA3K / KRT Samariang Aman 3 — 2026
- Sijil Penghargaan — Ahli Jawatankuasa, Majlis Ramah-Tamah Hari Raya — PRESA3K / KRT Samariang Aman 3 — 2026
- Sijil Penghargaan — Pengendali JOTA-JOTI — Pengakap Malaysia (Scouts Association of Malaysia) — 2024 – 2026
- Silver Medal — DIIID Johor 2020 — Online Assessment Grading System · UiTM Johor — 2020
- Silver Medal — MIIEX 2019 — Online Assessment Grading System · UiTM Melaka — 2019
- Bronze Medal — Malaysian Technology Expo 2013 — MAMS · PWTC Kuala Lumpur — 2013
- 2 × Bronze Medals — UTeMEX 2013 — MAMS and Pin.IT — 2013
- MCMC Apparatus Assignment — Class A — Amateur radio licence · 9M8HAZ — 2022
- MCMC Apparatus Assignment — Class B — Amateur radio licence — 2020
- ARRL Membership — American Radio Relay League — 2021
- Generative AI — Risk and Cyber Security Masterclass — 2025
- ChatGPT and LangChain: The Complete Developer's Masterclass — 2025
- GitHub Copilot — The Complete Guide — 2025
- Complete OpenAI API Course — 2025
- LLM Fine-Tuning on OpenAI — 2025
- LlamaIndex — Develop LLM-powered apps — 2025
- ISO 26262 — Functional Safety & ASIL software methods (Infineon) — 2013
- Information Security Training, Modules 1–3 (Infineon) — 2013

AMATEUR RADIO — 9M8HAZ

9M8HAZ / 9M4GHZ · Grid OJ51DP · IOTA OC-088 · CQ zone 28 / ITU zone 54 · MCMC Apparatus Assignment Class A

Licensed amateur radio operator, DXpedition team leader and part of the CQDX.my team — the collective DXpedition team of amateur radio in East Malaysia. I also write the software I operate with: QSL systems, APRS bots, propagation tools and log analysers.

Worked all six continents: Asia, Oceania, Europe, South America, North America, Africa (QRZ Master of Radio Communication awards).

9M8T — Big Talang-Talang Island DXpedition (upcoming) — 4 – 20 Jun 2027 · IOTA OC-165
Planning, permits & documentation

9M8SJQ — JOTA-JOTI 2026 — Sarawak Scouts HQ — 16 – 18 Oct 2026
Station Manager (2023 – 2026) · HF antennas · Morse

9M8A — Big Satang Island DXpedition — 2025 · IOTA OC-165
Team Leader · 13-member team

9M2J — Carabao DX Team — 9M2J 2025 — 2025
Team member · SSB / CW / DIGI

9M1Z — Borneo & Semporna Islands — Jun – Sep 2024 · IOTA OC-088 · OC-133
Event website

QRZ awards (15):

United States Award #24755 · 12 Days of QRZ (2023) #14786 · Master of Radio Communication — Africa #5594 · Master of Radio Communication — North America #17622 · 30 Years of QRZ #1220 · Master of Radio Communication — South America #17775 · Master of Radio Communication — Europe #32154 · 12 Days of QRZ (2022) #134 · Master of Radio Communication — Oceania #3081 · United States Counties Award #31929 · Master of Radio Communication — Asia #13062 · World Continents Award #49671 · Grid Squared Award #51997 · World Radio Friendship Award #55459 · DX World Award #21715