

Joshua James Scott

Full Stack Developer + AI & Automation Engineer

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PROFILE

Full stack developer who builds web apps, automations and AI tools end to end, from the interface down to the server. Currently building internal systems and automation for 5 radio station platforms at Media Prima Audio, using **Laravel, React, n8n and Claude**.

EXPERIENCE

AI & Automation Specialist | Media Prima Audio (Audio+) Jan 2026 – Present
Kuala Lumpur

Automation & AI

- Built **~15 production n8n workflows** for a podcast studio's booking operations, covering guest clearance, dynamic forms, multi-stakeholder email routing, 24-hour reminders, retargeting and error monitoring with manual-recovery fallbacks.
- Enhanced an Instagram DM automation into a **two-stage conversation flow** on Meta Graph API webhooks, replacing hardcoded settings with a Google Sheets control panel so non-technical staff can run campaigns without code.

Web platforms (5 station sites)

- Maintain and update **WordPress/Elementor sites for 5 radio stations**, including full station rebrands and redesigns.
- Built **10+ competition, campaign and event registration forms** with Contact Form 7, with file uploads, age checks, duplicate-entry blocking, PDPA consent, branded confirmation emails and Google Sheets logging.
- Built campaign landing pages on tight deadlines, including **same-night launches**, and fixed cache-related display issues on live sites.

Website operations & infrastructure

- Rolled out site-wide changes to 5 high-traffic station websites on **Google Cloud** by updating master servers and reimaging autoscaling instance groups with **zero downtime**.
- Manage plugins across all 5 sites, covering updates, compatibility checks for WordPress core upgrades, security-lockout recovery and SEO settings.
- Updated ad placements across station sites, including moving ad inventory to **Google Ad Manager**.
- Applied email (SMTP) configuration updates across production Linux servers over VPN and SSH.

Frontend JS Developer Intern | Studio20 Sep 2025 – Jan 2026
Kuala Lumpur

- Built an **AI invoice automation** (Zapier, AI PDF extraction, Xero API) routing supplier invoices across 6 company entities, saving **~23 hours/month** of manual finance work at a ~95% automation rate.
- Built a SuperAdmin Schools Management feature (full CRUD, validation, role-based permissions) in React, TypeScript and Next.js.
- Developed a React Native (Expo) fitness app homepage with custom progress components and tab navigation.

Production Crew / Technology & Sourcing Coordinator | Memories Entertainment Aug 2023 – Jul 2024
Selangor

- Coordinated technical setup for 12+ nationwide live events, managing vendors and equipment under tight budgets and providing on-site sound, lighting and network support.

PROJECTS

Work projects

Internal Finance Approval Platform **IN PROGRESS**

Laravel • PHP • MySQL • Bootstrap 5 • Claude API • dompdf/qpdf

- Building a full-stack platform to digitise talent-invoice and timesheet approvals across 5 radio stations, replacing a manual PDF-and-email process.
- Designed a **data-driven workflow engine** (staged lifecycle, configurable approvers) so new approval chains can be set up without code.

- Refactored authorization to **capability-based RBAC across 9 roles**, proving each change with up to **154 automated checks and zero regressions**.
- Secured personal data with **AES-256 encryption at rest** and masked views that never decrypt to the page.
- Integrated the **Claude API** to read line items from PDF invoices, and built e-signature stamping at each approval stage.

AI Radio Dedication System [WORKING BUILD](#)
[n8n](#) · [Claude](#) · [TTS API](#) · [WordPress plugin \(PHP, MySQL\)](#) · [JavaScript](#)

- Built a pipeline that turns a listener's dedication form into an **AI-voiced DJ segment**, behind a moderation gate covering English, Malay, Manglish, Chinese and Tamil.
- Designed an **async TTS callback architecture** (n8n Wait/resume) so long voice jobs never block the workflow.
- Packaged it as a **reusable WordPress plugin** with shortcode embedding, a database-backed song catalog with CSV import, and admin settings.
- Fixed submission failures by moving to browser-side AJAX, and tuned prompts for natural TTS speech.

Personal projects

Kenyang: AI Calorie Tracker
[React](#) · [TypeScript](#) · [Vercel Serverless](#) · [Claude Vision API](#) · [Supabase](#) · [Capacitor](#)

Snap a photo of a meal to get calories and macros, tuned to recognise Malaysian dishes. Editable AI results, magic-link login, server-side rate limiting, packaged for Android.

Barad-dûr: Self-Hosted Automation Server
[Ubuntu Server](#) · [Docker Compose](#) · [Cloudflare Zero Trust](#) · [systemd](#) · [Tailscale](#)

Home server running my personal n8n automation, served over HTTPS via a Cloudflare tunnel with no open ports.

AI Voice Assistant [jjs-voice-assistant.vercel.app](#)
[React](#) · [TypeScript](#) · [Claude API](#) · [ElevenLabs](#) · [Web Speech API](#)

Real-time voice conversation with multi-turn memory and 6 voice options.

Cafe Finder [jjs-cafe-finder.vercel.app](#)
[JavaScript](#) · [Google Maps + Places API](#)

Location-based cafe search with a custom filter that cut irrelevant results by 40%.

QuestLog
[React](#) · [Firebase](#) · [PostgreSQL](#) · [OpenAI API](#)

Gamified RPG to-do app. Bootcamp capstone.

SKILLS

Languages	TypeScript, JavaScript, PHP, SQL, HTML/CSS
Frontend	React, Next.js, React Native (Expo), Tailwind CSS, Bootstrap 5, Astro
Backend	Laravel, Node.js, Express, CodeIgniter 4, REST APIs
Databases	MySQL, PostgreSQL, Supabase, Firebase
Cloud & DevOps	Google Cloud (Compute Engine, instance groups), Docker, Linux servers, Cloudflare Zero Trust, Vercel, SSH/SFTP, SMTP, Git
Automation & AI	n8n, Zapier, Claude API (incl. Vision), Gemini, TTS APIs, prompt engineering, Claude Code
Integrations	Meta Graph API, SendGrid, Xero API, Google Workspace APIs, Google Ad Manager
Security	Role-based access control, AES-256 encryption, PDPA-compliant data handling
CMS	WordPress (plugin development, Elementor), Contact Form 7
Also explored	Godot 4 (GDScript)

EDUCATION

Full Stack Web Development Certificate | [Sigma School Coding Bootcamp](#) Feb – Apr 2025
12-week intensive in JavaScript, React, Node.js, Express, SQL and Firebase · Capstone: QuestLog

BSc (Hons) Conventions & Events Management | [Sunway University](#)
President & Vice-President, Sunway Esports Club