

BONSON ALO

Alor Setar, Malaysia

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EDUCATION

Albukhary International University

Bachelor of Computer Science, Year 2

Alor Setar, Kedah, Malaysia

Expected Graduation 2028

- Practices in data structures, algorithms, databases, and software engineering.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, SQL, HTML/CSS

Frontend: Next.js (App Router), React, TanStack React Query, Redux Toolkit, Tailwind CSS

Backend: FastAPI, SQLAlchemy, Alembic, Celery, Redis, REST APIs, JWT authentication

Data and DevOps: PostgreSQL (Supabase), Render, Vercel, Git, Alembic migrations

Integrations: Meta Instagram OAuth, Google Gemini API, AssemblyAI, third party data APIs

PROJECTS

Reelysis | *Next.js, FastAPI, PostgreSQL, Celery, Redis, Gemini, Meta OAuth*

2026 – Present

Solo Full Stack Developer

[Live Demo](#)

- Built a production Instagram analytics product that turns Reel performance data into AI written growth strategy reports, so creators can see why content underperforms instead of only watching raw view counts.
- Connected Meta Instagram OAuth to import Reels, captions, and insights automatically, removing the need for creators to export or copy metrics by hand.
- Automated niche competitor discovery and public profile tracking, replacing slow manual Instagram research with AI suggested handles and a live benchmark dashboard.
- Designed a transcript first AI pipeline (AssemblyAI + Google Gemini) that scores hooks, detects content pillars, and explains strengths and gaps for each Reel without storing raw video files.
- Moved sync, transcription, analysis, and report generation into Celery background jobs with progress tracking and stuck job recovery, so long AI workloads do not freeze the API or leave users with silent failures.
- Solved production database and auth failures on Render and Supabase (pooler connectivity, prepared statement errors, cross domain cookies), unblocking a reliable multi service deploy across Vercel, Render, Redis, and Postgres.

CONTENT AND PERSONAL BRAND

Tech Content Creator

2026 – Present

📷 [Instagram](#) 📺 [YouTube](#) 🌐 [LinkedIn](#)

Malaysia

- Create short and long form content that breaks down real engineering problems, project decisions, and debugging stories for students and early career developers.
- Share personal reflections on tech careers and learning paths, helping peers understand how to ship projects and grow as engineers.
- Build in public by documenting progress while shipping real software.

ACTIVITIES

TechNexus

2026 – Present

Workshop & Learning Lead

Albukhary International University

- Lead software development workshops and learning sessions that help club members move from theory to building real projects.