

Md Rasel Khandaker

Full-Stack Developer · Python / Flask · Web & Android

Kuala Lumpur, Malaysia · Open to remote work and relocation

mrkbusiness8@gmail.com · +60 11-5166 3724 · [linkedin.com/in/md-rasel-khandaker-69a0a6354](https://www.linkedin.com/in/md-rasel-khandaker-69a0a6354)

Portfolio: dev.mdraselkhandaker.com · Studio: studio.mdraselkhandaker.com ·

GitHub: github.com/mdraselkhandaker20-png

SUMMARY

Full-stack developer with 5+ years of freelance experience, building and shipping web platforms, admin panels and Android apps on my own from database to deployment. I have launched a live pay-per-minute video-call platform with WebRTC, PayPal and Google Play Billing, plus business websites for real clients. A background in textile engineering and graphic design helps me build software that is practical, clean and easy to use.

SKILLS

Backend	Python, Flask, Flask-SocketIO, REST APIs, authentication (email verification, Google sign-in)
Frontend	HTML, CSS, JavaScript, responsive design, PWA
Databases	PostgreSQL (Neon), SQLite, schema design, data migration
Real-time	WebRTC audio and video calls, Socket.IO signalling, TURN servers
Payments	PayPal, Stripe, Google Play Billing, per-minute and coin-based billing logic
Mobile	Android apps via Trusted Web Activity, Google Play Console, closed testing and release
DevOps	DigitalOcean App Platform, Git and GitHub, GitHub Pages, DNS and custom domains, Cloudinary
Design	UI design, graphic design, branding

EXPERIENCE

Freelance Full-Stack Developer & Graphic Designer

2021 – Present

Rasel Studio · studio.mdraselkhandaker.com · Remote

- Design, build and deploy websites, web platforms with admin panels, and Android apps for clients who come through direct messages and referrals.
- Handle every stage alone: requirements, UI design, backend, database, payments, hosting, domains and Google Play release.
- Run the studio's own website with three service packages, 15 live example designs and a client agreement with staged payments.
- Started with graphic design for clients, then moved into full-stack web and app development.

PhD Researcher, Machine Vision

2026 – Present

Multimedia University (MMU), Malaysia

- Research on low-cost machine vision for quality inspection in textile manufacturing.

SELECTED PROJECTS

English Speaklya

Live web platform + Android app · english.speaklya.com

- Pay-per-minute English speaking practice: learners call real speakers on live audio and video.
- Flask + Socket.IO server for matching, signalling and billing; WebRTC peer-to-peer calls with TURN fallback.
- PayPal live card payments; Google Play Billing built in behind an admin switch; plans and prices editable in the admin panel.
- Fixed a WebRTC race condition with a receiver-ready signal; moved production from SQLite to Neon PostgreSQL so data survives redeloys.
- Packaged as an Android app (Trusted Web Activity) and passed Google Play closed testing.

Saffron Mentor

Live learning platform, web + Android · In development

- Students learn any subject from ID-verified mentors on paid live video and audio calls, with coins, mentor levels, reviews and follow alerts.
- Marketplace-style website with subject filters plus an Android app; automatic revenue split for mentors and institutes; PayPal, Stripe and Google Play Billing.

Shahanaz Textile

Business website · shahanaztextile.com

- Multi-page textile company site with a brand catalogue and a custom order system; orders go to WhatsApp with an auto-generated PDF job sheet.

Bilingual News Portal

Content platform · In development

- Bangla and English news site with an editor admin panel and Google AdSense.

EDUCATION

PhD (in progress) · Multimedia University (MMU), Malaysia

2026 – Present

MSc Engineering Business Management · Multimedia University (MMU), Malaysia · CGPA 3.43

2023 – 2026

BSc Textile Engineering · Sonargaon University, Bangladesh

2018 – 2021

PUBLICATION

Adoption of IoT-Enabled Quality Monitoring System in a Smart Factory. 6th ICTIM 2026 (part of DIFCON), Multimedia University, Malaysia.

LANGUAGES

English (professional) · Bangla (native)