SUHANUR RAHMAN

Dhaka, Bangladesh

Technical Analyst · Data Integrity, Research Infrastructure & Automation

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PROFESSIONAL SUMMARY

Technical Analyst and full-stack developer working on the reliability of information – how it is collected, whether it holds up, and what breaks when it does not. Four years of research infrastructure across 20+ field studies, now applying the same discipline to digital investigations and contested source material. Builds and operates production systems end to end: TypeScript and Python front to back, PostgreSQL underneath, deployed and maintained on self-managed Linux infrastructure. Ten systems shipped and currently live, including a multi-tenant SaaS ERP, a civic data platform and a Bengali OCR pipeline.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, SQL, Dart, R

Frontend: React, Next.js, Tailwind CSS, Vite, HTML5, CSS3, Flutter

Backend & APIs: Node.js, Express, FastAPI, Prisma, REST, OAuth 2.0, JWT, Zod

Databases & Data: PostgreSQL, Supabase, Row-Level Security, Data Cleaning & QA, Survey Instrumentation, KoboToolbox

AI & Automation: LLM Integration (Gemini, OpenAI, Groq), OCR Pipelines, Prompt Engineering, Scheduled Pipelines, Forecasting

DevOps & Infrastructure: Docker, Nginx, PM2, Linux (Ubuntu), GitHub Actions, Cloudflare, Let's Encrypt, Git, VPS Administration

CMS & Other: WordPress, Elementor Pro, Chart.js, FFmpeg, Android Release Builds

PROFESSIONAL EXPERIENCE

Technical Analyst
Jan 2026 – Present

The Dissent | Dhaka, Bangladesh · On-site

- Perform verification and data integrity analysis on contested source material, where the data arrives unverified and interested parties' benefit from it being believed.
- Build internal tooling that makes verification repeatable and auditable rather than manual, reducing per-case analyst effort.
- Apply survey-research quality controls, outlier detection, back-checking and provenance tracking, to open-source investigative material.

Research Coordinator
Jul 2025 – Dec 2025

Integra Ventures Ltd. | Dhaka, Bangladesh

- Designed and managed end-to-end research workflows, protocol, data collection, analysis and reporting, coordinating field teams, enumerators and partner stakeholders.
- Prepared research instruments (structured questionnaires, FGD and KII guides) and enforced methodological consistency across rounds.
- Obtained ethical approvals and maintained compliance with research governance standards.
- Supervised data quality through spot checks, back checks and real-time validation; managed databases and cleaned, coded and documented datasets.
- Performed preliminary analysis, descriptive statistics and thematic coding, producing the insights that fed client reporting.

Technical Specialist
Sep 2021 – Dec 2025

Centre for Qualitative Research | Dhaka, Bangladesh

- Served as Technical Lead and Field Research Coordinator, owning the pipeline from instrument design through to published findings.

- Designed, built and deployed quantitative data collection tools across 20+ field research projects, with sample sizes ranging from 400 to 9,000 respondents.
- Planned survey rounds and coordinated enumerator teams of 15, scaling to 30+ on larger deployments.
- Ran cleaning, auditing and quality assurance on high-variable datasets, and produced the visualisations that turned cleaned data into published findings.
- Managed IT assets and cloud operations for the organisation; built and maintained the corporate website and digital channels.
- Authored training modules and delivered hands-on training to enumerators and supervisors on digital data collection and device troubleshooting.

SELECTED PROJECTS

All ten projects are deployed and reachable. Full case studies at suhanurrahman.com

1. Nexus ERP – Multi-tenant SaaS ERP 2026
Production ERP covering inventory, manufacturing, accounting and HR across 20+ modules, with per-tenant data isolation, double-entry books that balance regardless of which module writes to them, RBAC and AI-assisted forecasting.
Stack: React 18, TypeScript, Node.js, Express, PostgreSQL 16, Prisma, JWT, Zod, Chart.js, Gemini ·
Live: nexus.suhanurrahman.com

2. Bidyut-Prohor (বিদ্যুৎ-প্রহর) – Civic data platform 2026
Crowdsourced load-shedding reporting for Bangladesh. Accepts anonymous reports, then makes them trustworthy downstream through automated verification, outlier detection and distributor-wise aggregation for journalists and researchers.
Stack: React, TypeScript, Node.js, Supabase, PostgreSQL, Row-Level Security, Gemini ·
Live: loadshedding.online

3. PDF to Markdown – Bengali OCR pipeline 2025
Converts Bengali PDFs into clean, structured Markdown – including OCR for scanned pages and conversion of legacy Bijoy-encoded text to Unicode, making previously unsearchable document archives searchable.
Stack: Python, FastAPI, OCR, Docker, Nginx ·
Live: pdf.suhanurrahman.com

4. LinkPilot AI – LinkedIn publishing pipeline 2026
Queues, formats and schedules LinkedIn posts through the official API in Bengali and English, with LLM-generated drafts, image generation and engagement analytics. Built against the official API rather than scraping.
Stack: Next.js, TypeScript, Node.js, PostgreSQL, OAuth 2.0, Gemini ·
Live: linkedin.suhanurrahman.com

5. SocialSave – Cross-platform media downloader 2025
An Android app and a browser downloader sharing one containerised extraction service – multi-client video extraction and FFmpeg audio/video merging behind FastAPI, so the mobile client stays thin.
Stack: Flutter, Dart, Python, FastAPI, FFmpeg, Docker, Nginx, Cloudflare ·
Live: socialsave.site

6. Next-Gen Claude Skills – Open-source library (MIT) 2026
Seventeen specialised AI engineering roles covering architecture, development, AI/ML, security, testing, DevOps, performance, research and documentation – each defined with its own boundaries and quality gates.
Stack: Claude Skills, Markdown, Git, GitHub ·
Link: github.com/suhanr/next-gen-claude-skills

7. PostPilot AI – AI-Powered Facebook Publishing Automation
An AI-powered content automation platform that researches 60–80 potential topics daily, identifies the most relevant ideas, generates and polishes 8–10 Facebook posts in Bengali, creates minimal visual assets, and automates the publishing workflow. The system is designed to reduce the manual effort involved in content research, writing, visual preparation and scheduled Facebook publishing, with an automated approval workflow for ready-to-publish content.

Stack: Next.js, TypeScript, Node.js, Tailwind CSS, Facebook Graph API,
Link: social.suhanurrahman.com

8. CleanFrame – Privacy-Focused Image Metadata Cleaner
A client-side privacy utility designed to remove embedded metadata and AI provenance information from images without modifying the actual image pixels. The complete processing pipeline runs directly inside the browser, meaning images are never uploaded to a server, stored, logged or transmitted externally. The project was built around a privacy-first architecture where the absence of a backend is itself a core security

Stack: HTML5, CSS3, JavaScript
Link: metaclean.suhanurrahman.com

9. Centre for Qualitative Research – Research & Consulting Platform
Official website and digital platform for a Bangladesh-based research and consulting organization. The platform brings together the organization's research practice areas, project portfolio, publications, client information and training initiatives in a structured information architecture. It also supports the organization's Learning Hub and training content around qualitative research and quantitative research.

Stack: WordPress, Elementor Pro, HTML5, CSS3, JavaScript, On-page SEO
Link: cqr.org.bd

10. GFTH – Nonprofit Organization Platform
A content-driven website developed for Global Foundation for Transforming Humanity, a nonprofit organization working across multiple program areas. The platform was structured around five core programme pillars and designed to make organizational information, field activities and governance resources accessible to visitors. Special attention was given to accountability-focused sections including safeguarding, child protection, anti-fraud and whistleblowing resources, while keeping the site manageable by the organization without requiring ongoing developer support.

Stack: WordPress, Elementor Pro, HTML5, CSS3, JavaScript
Link: gfthbd.org

EDUCATION

Southeast University
Dhaka, Bangladesh | Computer Science & Technology

CERTIFICATIONS

Big Data Analysis – MuktoPaath, Aug 2025 · Credential ID MC-U1S9152263I1669T

R Programming for Data Science – Great Learning, Mar 2023 · Credential ID FSWSWZKU