

TANJIM AHMMED SHUVO

Software Architect & Systems Builder | Founder @ DigifixBD & Crolop

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Availability: Open for Architecture Consulting & Enterprise Contracts

Open to engagements

EXECUTIVE SUMMARY

Systems Architect and Full-Stack Builder with hands-on experience engineering reliable web platforms, automated business pipelines, and commercial point-of-sale systems. Focused on solving **operational bottlenecks**: turning manual workflows into automated systems, reducing customer acquisition costs through retention engineering, and deploying secure, production-ready software that businesses actually run on.

VENTURES & LEADERSHIP

DigifixBD | Founder & Lead Systems Architect

Sep 2024 – Present

- Built and scaled an automated commerce and digital services platform serving hundreds of business clients across Bangladesh.
- Automated order verification, license issuance, and instant product fulfillment using webhook triggers and custom APIs.
- Built direct customer retention loops using WhatsApp Business API and automated messaging, cutting routine support overhead by 80% and reducing ad acquisition costs by ~40%.

Crolop | Founder & Principal Architect

Upcoming Venture

- Architecting modern distributed web applications, custom business platforms, and scalable cloud infrastructure tailored for international enterprise clients.

FEATURED PRODUCTION SYSTEMS

Commercial Multi-Terminal Restaurant POS & Operations Platform

01

React · Node.js · WebSockets · PostgreSQL · SQLite · Cloudflare Edge

Problem: Peak dining rushes caused synchronization lags between waiter handhelds, cashier billing, and kitchen screens, causing duplicate tickets and inventory mismatches.

Solution & Architecture: Engineered a real-time event-driven POS ecosystem with local offline-tolerant caching, instant live kitchen display sync, and automated cash drawer audits.

OUTCOME Zero order collisions during rush hours · 100% accurate billing · Integrated loyalty loops driving repeat visits

Automated Digital Agency & Commerce Platform (DigifixBD)

02

Supabase (PostgreSQL) · Cloudflare Workers & R2 · TypeScript · WhatsApp Cloud API · REST Webhooks

Problem: Manual payment confirmation, license delivery, and renewal notifications created massive support overhead and lost checkouts.

Solution & Architecture: Built an end-to-end checkout and delivery engine with automatic license issuance, automated WhatsApp renewal triggers, and secure reverse-proxied databases.

OUTCOME 100% instant digital fulfillment · Robust protection against scraping · Higher repeat customer retention

80%

Routine support overhead reduced

~40%

Ad acquisition cost reduction

100%

Instant digital fulfillment

CLIENT ENGAGEMENT & DELIVERY STANDARDS

- Zero-Downtime Deployment:** Isolated staging environments and safe migrations ensuring zero disruption to existing business operations.
- Modular Handover & Documentation:** Clean, maintainable repositories complete with structured API specs, schema maps, and setup runbooks.
- Post-Launch Performance Guard:** Active error telemetry, Cloudflare edge monitoring, and ongoing SLA support.

TECHNICAL ARSENAL

Frontend & Client Interfaces

React · Next.js · TypeScript · JavaScript
Tailwind CSS · WebSockets · Responsive UI/UX

Backend & Robust Databases

Node.js · Express · Python · PostgreSQL
MySQL · Supabase · SQLite · REST APIs
Webhooks

Workflow Automation & AI

n8n · OpenAI APIs · LLM APIs · Meta APIs
WhatsApp APIs · Telegram Bot API

Cloud & Enterprise Security

Cloudflare Edge · Cloudflare Tunnels
DDoS Protection · Docker · Linux · Ubuntu
Bash · Git · GitHub CI/CD

ENGINEERING PRINCIPLES

Pragmatic Automation

If an operational task repeats, automate it via APIs and webhooks to eliminate human friction.

Resilience First

Architect for real-world failures-network drops, upstream API errors, and traffic spikes-with offline fallbacks and high data integrity.

ARCHITECTURE FOCUS

- Distributed Web Applications
- Event-Driven Systems
- Real-Time Infrastructure
- Business Process Automation
- Secure API Architecture
- Offline-Resilient Applications

SYSTEMS BUILDER

From customer-facing interfaces to backend infrastructure, automation pipelines, integrations, and deployment environments- focused on building complete systems rather than isolated features.

WORKING MODES & COLLABORATION

- Remote & Async First:** Document-driven communication and clear milestone sprints across global timezones.
- Timezone Flexibility:** Smooth workflow overlaps with US, European, and APAC business operating hours.
- Direct Architecture Retainers:** Open for specialized system design, performance audits, and long-term contracts.