

TASNEEM SAKIF IBNE ALAM

Software Engineer

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 Bangladesh

SUMMARY

Software Engineer building full-stack systems on React, Laravel, and AWS — from a server-authoritative Stripe checkout to an AWS IAM and CI/CD modernization. Comfortable owning work end-to-end: designing schemas and APIs, shipping CI/CD pipelines, and diagnosing production incidents (a 502/504 outage, a duplicate-print bug) rather than just building features.

WORK EXPERIENCE

Software Engineer, Merilsoft LLC

Oct 2024 – May 2026

Noor Food Huntington — Restaurant Online Ordering Platform

Tech: Laravel, JavaScript, Stripe (PaymentIntents + Webhooks), MySQL, Tailwind

- Built a server-authoritative Stripe checkout with cached price-locking and a signed webhook for exactly-once order creation
- Built a polling-based order-alert system with audio notifications in the admin panel
- Built the admin back office: menu/category CRUD, 5-stage order workflow with auto-refunds, and a business-hours/closure engine
- Shipped a loyalty-points system and a standalone catering pipeline with self-service cancellation/refunds
- Built the print-integration API and order tracking with a full status-history audit trail

MagazineWorks — Web-based Magazine Editor Platform

Tech: React, TypeScript, AWS S3, GitHub Actions, Recharts

- Built the “My Projects” module solo — an S3-backed file manager (upload, folders, recycle bin, search) used as the platform's project storage system
- Built an in-editor panel to browse and drag project files straight onto the design canvas, connecting My Projects into the editor workflow
- Added a live layers panel and new chart elements (bar/pie, with editable data sidebars) to the design editor
- Automated builds and deploys with a GitHub Actions pipeline (branch-based envs, SSH/rsync to EC2), removing manual deploy steps
- Built the magazine-generation API integration — submits content/template/files and loads the AI-generated result into the editor

Receipt Printing System Integration

Tech: Kotlin, C#/.NET (WPF), Star Micronics StarXpand/StarPRNT SDK, REST APIs, Thermal Printers

- Built a queue-based auto-print client (Android + Windows) polling a Laravel backend every 5s via the Star Micronics SDK
- Diagnosed and fixed a production duplicate-print bug with retry-with-backoff order acknowledgment across both platforms
- Rendered receipts as bitmaps from live JSON data to support graphics-only thermal printers, with dual invoice/kitchen-slip layouts
- Added printer auto-discovery (Bluetooth/USB/LAN), auto cash-drawer triggering, and remote log shipping for field debugging

AWS Infrastructure & CI/CD Implementation

Tech: AWS (EC2, RDS, ELB, Lambda, S3, IAM, CloudWatch), CodePipeline/CodeBuild/CodeDeploy, Next.js/React, .NET, Nginx/PM2

- Designed a least-privilege IAM access matrix (Admin vs. Developer) with a permission boundary blocking destructive actions on developer accounts
- Set up tag- and branch-based CI/CD pipelines (CodePipeline/CodeBuild/CodeDeploy) with a documented testing and rollback runbook
- Upgraded a legacy Next.js/React frontend across 4 staged phases (Next.js 10→16, React 17→19) without a rewrite
- Diagnosed and fixed a production 502 (dead PM2 process) and a 504 outage (broken RDS connectivity from an IP change), hardening the fix with SG-to-SG security rules

Restaurant System Enhancements

Tech: CodeIgniter (PHP, HMVC), MySQL, JavaScript

- Built a database-driven URL redirect manager (regex/prefix/exact matching, 301-451 codes) with a full admin CRUD UI
- Implemented SEO infrastructure: slug-based routing, per-page meta tags with Schema.org JSON-LD, canonical/robots tags, and a dynamic XML sitemap from live catalog data
- Designed and built a complete blog module from scratch — admin CRUD, S3-backed images, scheduled/draft publishing via cron, autosave, and public SEO-optimized pages
- Designed a new normalized menu/catalog schema with a backward-compatible adapter layer so all three storefront themes kept working without a rewrite

Corporate Website Improvements

Tech: Laravel, JavaScript

- Added new pages and a contact section, redesigned the site's nav/footer, and restyled the UI for visual consistency

PERSONAL PROJECTS

Quran Word-Sync Reader

Tech: Next.js, TypeScript, Supabase, Tailwind, Quran.Foundation API

- Binary search $O(\log n)$ for word-timing lookup
- Memoized word components — only the highlighted word re-renders

EDUCATION

BSc In Computer Science and Engineering

2017 – 2022

Rajshahi University of Engineering and Technology (RUET)

- CGPA: 3.15 out of 4.00

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, PHP, C/C++
- **Frontend:** React.js, Next.js, HTML, CSS
- **Backend:** Node.js, Laravel, CodeIgniter
- **Cloud & DevOps:** AWS (EC2, S3, IAM), GitHub Actions, AWS CodePipeline, CI/CD Pipelines
- **Databases:** MongoDB, MySQL
- **APIs & Integrations:** REST APIs, Stripe Payment Gateway
- **Tools & Platforms:** Git, GitHub, Bluehost, Linux/Windows Environments, Azure Boards
- **Other Skills:** System Design Basics, Debugging & Performance Optimization, SEO Implementation

LANGUAGES

1. English — Professional working proficiency 2. Bangla — Native