IFTEKHAR HOSSAIN TURJA

SOFTWARE ENGINEER | FULL-STACK DEVELOPMENT | BACKEND SYSTEMS | AI INTEGRATION

Dhaka, Bangladesh • turja.dev • iftekhar.turja@gmail.com • +880 1727-642910 • iftekharturja • arcaus

Professional Summary

I'm a software engineer with 4+ years of experience working remotely with U.S.-based teams. I build web applications, backend services, and AI features, taking work from requirements through release. I've also planned releases and coordinated small teams while continuing to write code.

Professional Experience

Quanteron | **Software Engineer** New Mexico, US (Remote) **Nov 2024 – Present**

- Led architecture and delivery for FlowSimple's progressive web app, working with two junior engineers. Shipped role-based access, online estimate approvals, crew scheduling, and tools for field crews.
- Built library matching, weekly book picks, and an in-app PDF reader across Readlink's mobile app, web app, and API. Readlink averages 300+ daily active users.
- Built data-heavy screens, forms and mobile-friendly VAT reports for Soli on web, iOS and Android.

QzenTech | **Associate Software Engineer** Wyoming, US (Remote) **Mar 2023 – Nov 2024**

- Built scheduled jobs to monitor subreddits and used an LLM to score posts and draft replies. Added a review queue so team members could approve replies before sending them.
- Built repository submissions, voting, and leaderboards for a GitHub project discovery site, plus a dashboard for pull requests and activity across multiple GitHub accounts.

Reinforz AI | **Junior Software Engineer** Delaware, US (Remote) **Sep 2022 – Mar 2023**

- Maintained APIs for quizzes, reports, and leaderboards. Helped build a feature that uses the OpenAI API to generate quiz questions from notes, videos, and articles.

Reinforz AI | **Software Engineer Intern** Delaware, US (Remote) **Jun 2022 – Sep 2022**

- Built REST endpoints for quiz import and export, collections and invite links. Deployed services on AWS and wrote backend tests.

Projects

QzenChat qzen.chat

An AI assistant for business sales, appointment scheduling and customer support across e-commerce, healthcare and fitness businesses.

My work: I built the chat flows for sales inquiries, appointment booking, and customer support. I connected them to backend services so the assistant could reply in context, route requests, and hand conversations off to staff.

FlowSimple flowsimple.co

A CRM and job-management platform for small home-service businesses, bringing customer records, estimates, scheduling, field operations and payments into one workflow.

My work: I built tools for managing customers, estimates, and jobs. I worked on the APIs, data models, and screens that owners, managers, and field crews use to track estimates, schedule work, and update jobs.

Readlink readlink.app

A social reading app for managing a personal book library, tracking reading progress and goals, saving notes, viewing statistics and sharing reading activity.

My work: I built features that let readers manage their books, track progress and goals, take notes, and see their reading stats. I also worked on book discovery and imports, the PDF reader, and AI features that use a reader's library.

Soli soli.ae

An AI-powered accounting and bookkeeping platform for UAE freelancers, consultants, and free-zone businesses, bringing together automated bookkeeping, transaction categorization, invoicing, VAT workflows, and Corporate Tax compliance.

My work: I worked on both the frontend and backend, with a focus on how users handle financial documents. I also worked on bank integrations, AI-assisted transaction categorization, data validation, and reliability.

Technical Skills

LANGUAGES	TypeScript, JavaScript, Python, Rust, SQL
FRONTEND	React, Next.js, React Native, Redux Toolkit, Zustand, TanStack Query, Tailwind CSS, shadcn/ui, Radix UI, Material UI, React Hook Form, Zod, Tiptap
BACKEND	Node.js, NestJS, Fastify, Express.js, Hono, REST APIs, GraphQL, WebSockets, Server-Sent Events
DATA & STORAGE	PostgreSQL, MySQL, SQLite, MongoDB, Prisma, Drizzle ORM, Redis, pgvector, full-text search
AUTH & JOBS	Clerk, Better Auth, OAuth 2.0, JWT, BullMQ, asynchronous processing, scheduled jobs, caching
AI & SEARCH	OpenAI API, Google Gemini API, Vercel AI SDK, LLM integration, prompt engineering, tool calling, structured outputs, RAG, embeddings, vector search
CLOUD & DEVOPS	AWS, Google Cloud Platform, DigitalOcean, Vercel, Railway, Neon, Upstash, Docker, Docker Compose, Linux, GitHub Actions, CI/CD, Caddy, Nginx
TESTING & TOOLS	Jest, Vitest, Playwright, Postman, Git, GitHub, Visual Studio Code

Research & Publication

Mitigating Security Threats in Fog Computing for IoT-Enabled Smart Cities

I co-authored this paper, prepared and cleaned the dataset, and ran the tests and experiments used in the study.

IEEE Xplore publication

Open-Source Contributions

My open-source work includes Trail of Bits projects (Dylint, cargo-unmaintained, and Necessist), as well as work on OpenZeppelin and Ghostfolio.

Education

Bachelor of Science in Computer Science 2020–2024 | CGPA: 3.75
BRAC University | Graduated with High Distinction

Higher Secondary Certificate (HSC) 2019 | GPA: 4.75
Birshreshtha Noor Mohammad Public College

Secondary School Certificate (SSC) 2017 | GPA: 5
Willes Little Flower School and College