MD. Jahidul Haque Junayer

Backend / Fullstack Engineer | Python | Web Scraping | API Development

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Dhaka, Bangladesh

Profile

Backend / Fullstack Engineer specializing in Python, web scraping, REST APIs, automation, and production applications. Experienced in data aggregation, asynchronous services, third-party integrations, database optimization, and scalable backend workflows.

Professional Experience

Freelancer / Contract Developer 2024 – Present

- Build custom software, REST APIs, web scrapers, automation workflows, and data pipelines using Python, FastAPI, Django, JavaScript, Next.js, Astro.js, React.js, Vue.js, and third-party APIs.
- Maintain production systems using concurrency, background workers, caching, retries, structured logging, database optimization, and performance-focused architecture.

Teaching Assistant, University of Liberal Arts Bangladesh 2024 – 2025

- Supported programming, algorithms, software engineering labs, and evaluation of programming assignments and projects.

Technical Skills

Languages: Python, JavaScript, TypeScript, Java, PHP, Kotlin
Backend & APIs: FastAPI, Django, Flask, Node.js, Express.js, Hono, Laravel, REST APIs
Scraping & Automation: Playwright, BeautifulSoup, Browser Automation, ETL, APScheduler
Frontend: React.js, Next.js, Astro.js, Vue.js, HTML5, CSS3, Tailwind CSS
Databases: PostgreSQL, MySQL, MongoDB, SQLite, Supabase, Cloudflare D1
Cloud & DevOps: Cloudflare Workers, Cloudflare Pages, Docker, Linux, Git, GitHub
AI & Data Systems: OpenAI, Google Vertex AI, LangChain, RAG, Vector Databases

Selected Projects

ShoeStore – Full-Stack E-Commerce Platform
shoestore-ecom.pages.dev

- Built a Next.js and TypeScript e-commerce platform with product search, filtering, SEO-friendly pages, persistent cart, and Cash on Delivery checkout for Bangladesh.
- Developed an admin dashboard for products, inventory, orders, customers, and store settings using Prisma ORM, with HMAC-SHA256 authentication, rate limiting, input validation, and stock protection.

JobKoi – Job Aggregation Platform
jobkoi.com

- Built a production job aggregation platform with multi-source job collection, search, filtering, pagination, and server-side rendered pages.
- Implemented Astro SSR, Supabase PostgreSQL, optimized queries, caching, and Cloudflare CDN.

BengalGram AI – AI-Powered Automated News Agency
github.com/zenjahid/bengalgram-ai-automation

- Built an automated news pipeline using Exa AI across 71+ news domains and GPT-4o for content processing and semantic deduplication, handling 100+ articles per run.
- Integrated Vertex AI, Facebook/Instagram publishing, scheduling, retries, Telegram monitoring, and SQLite WAL-based state tracking.

bKash Sync – Payment Synchronization System
github.com/zenjahid/bKash-Sync

- Built an Android application for bKash SMS transaction capture and cloud synchronization using Kotlin, Room, WorkManager, Cloudflare Workers, and D1, with offline-first storage and retryable background sync.

Samsung Chatbot API
github.com/zenjahid/samsung-chatbot-api

- Developed a RAG-based Samsung product chatbot with automated data collection, vector search, embeddings, and asynchronous FastAPI services.

Education

University of Liberal Arts Bangladesh Jan 2022 – Dec 2025
BS in Computer Science and Engineering **CGPA: 3.78 / 4.00**