

Azaz Ahmed Eraj

Full-Stack Developer · Software Engineer · AI & Agentic
Systems Builder

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Summary

I build production software end to end – React interfaces, Python and Node services, Postgres data models – and the desktop and mobile apps, AI agents and devices that plug into them. Based in Dhaka, shipping for teams in the UK.

Experience

Full-Stack Developer – Green Compare Ltd

Jun 2026 – Present

- Initiated the internal CRM repository, then shipped full-stack features across finance, telesales, renewals, pipeline, client files, dashboards and access control (38 merged pull requests).
- Built Bookodi's desktop app (Windows/macOS, with a Print Bridge to kitchen printers) and its Android and iOS apps as sole engineer – the mobile layout audit took 915 layout problems on phones and tablets to none.
- Built a 24/5 market-scanning trading agent on the owner's specification: 24 merged pull requests and four releases in its first week, 323 tests, CI on Linux and Windows, order automation interlocked off.
- Designed an HR inbox agent in which a language model drafts and classifies, while deterministic code enforces every safety rule.

Brand Ambassador – Kreb (XEOO)

2026 – Present

- Represent Kreb ahead of its launch.

Full-Stack Developer Intern – Green Compare Ltd

May 2026 – Jun 2026

- Redesigned the Analytics page into five sections with a KPI toolbar and Excel export – the module still ships in the live product.
- Built reservation views: a 24-hour Gantt table plan, a month calendar and a responsive toolbar for iPad.
- Added the dashboard's "reservation turn health" panel and live turnover widgets.
- Fixed a no-show KPI that always read zero and replaced 43 hard-coded colours with theme tokens.

Selected projects

Bookodi Desktop & Print Bridge – Sole engineer – design, build, tests, CI, docs

Native desktop app for the Bookodi restaurant platform with a built-in Print Bridge: it pairs with the cloud in one click, discovers printers on the local network and delivers server-rendered tickets over raw TCP, IPP, LPD, CUPS or the Windows spooler.

Electron, TypeScript, Node.js, WebSockets, Printing protocols, Vitest, Playwright, GitHub Actions, Vite

Bookodi Mobile – Android & iOS Apps – Sole engineer – shells, page layer, layout audit, tests, CI, docs

A Capacitor 8 shell that runs the live Bookodi dashboard inside native Android and iOS apps, with a page layer injected before the web app loads and a mobile layout layer. A layout audit across 123 page states found 915 problems on the website and none in the app.

Capacitor, TypeScript, Java, Swift, HTML & CSS, Vite, Vitest, Playwright, GitHub Actions, Docker & Compose

Bookodi – Restaurant Operating System – Frontend & data-visualisation engineer (contributor)

Bookodi handles reservations, POS, kitchen display, menus, guest CRM, delivery, printing and billing for many restaurants from one Go API. Built by the XEOO team; I owned the analytics module, the reservation views and the dashboard home.

React, TypeScript, Tailwind CSS, Vite, Go, PostgreSQL, Redis, MinIO / S3, WebSockets, Docker & Compose, GitHub Actions, PWA & service workers

Green Compare CRM – Project initiator, then full-stack feature developer
A FastAPI modular monolith with a React 19 front end, where Postgres row-level security backs every permission check. I started the repository, then shipped features across finance, telesales, renewals, dashboards and access control.
Python, FastAPI, SQLAlchemy, PostgreSQL, Alembic, Redis, React, TypeScript, Ant Design, TanStack Query, pytest, Playwright, Docker & Compose, GitHub Actions, MinIO / S3

Skills

Languages	TypeScript, JavaScript, Python, SQL, Go, PHP, Java, Swift, C / C++
Frontend	React, Tailwind CSS, HTML & CSS, Vite, Next.js, Ant Design, TanStack Query, PWA & service workers, Electron, Capacitor, Zustand, Web Workers
Backend & APIs	Node.js, FastAPI, SQLAlchemy, REST API design, WebSockets, Express
Data & storage	PostgreSQL, Alembic, Firebase & Firestore, MySQL, Redis, SQLite, IndexedDB (Dexie), MinIO / S3
DevOps & cloud	Git & GitHub, Docker & Compose, GitHub Actions, Linux, Vercel
AI & machine learning	LLM APIs, scikit-learn, Explainable AI (SHAP), pandas & NumPy, Whisper (faster-whisper)
Agentic AI	Claude Code, Agent guardrails & evals, AI gateways, n8n
IoT & hardware	Printing protocols, ESP32, Arduino
Testing & quality	Vitest, Playwright, pytest
Tools & workflow	VS Code, Zod, Telegram Bot API, MetaTrader 5

Education

Independent University, Bangladesh
BSc in Computer Science & Engineering, minor in Management Information Systems
2022 – 2026

Dhaka College
Higher Secondary Certificate (HSC), Science
2017 – 2019 · GPA 5.00 / 5.00

Jamalpur Zilla School
Secondary School Certificate (SSC), Science
2017 · GPA 5.00 / 5.00

Research & recognition

Paper accepted at IEEE ICACT 2026
2026 IEEE 3rd International Conference on Advanced Computing Technologies · Sep 2026

Promoted from intern to permanent engineer
Green Compare Ltd · Jun 2026

ICT Olympiad Bangladesh – semi-finalist
ICT Olympiad Bangladesh · 2025

Certifications

Python Data Associate – DataCamp, 15 Jun 2026	AI Fundamentals – DataCamp, 8 Jun 2026
Associate Data Scientist – DataCamp, 5 Jun 2026	Enterprise Design Thinking Practitioner – IBM SkillsBuild, 18 May 2026
Computer Hardware Basics – Cisco Networking Academy, 19 Jan 2025	CCNA: Introduction to Networks – Cisco Networking Academy, 16 Jan 2025
AI Engineer for Developers Associate – DataCamp	Information Technology Fundamentals – IBM SkillsBuild
Introduction to IoT – Cisco Networking Academy	

Languages

Bengali (Native) · English (Professional working proficiency – IELTS 6.5 (2021))