Sajidur Rahman Sajid

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Experience

Full-Stack Developer (Contract) | *RemoteIntegrity LLC, USA (Remote)* *Oct. 2026 – Present*
- Build front-end and back-end components, APIs and database integrations for client web applications.
- Ship through code review, testing and deployment on agreed timelines.

Software Developer | *Ledgercross, Dhaka* *May 2026 – Sep. 2026*
- Built the team's FastAPI OCR and fraud-detection service for InvoicePilot, migrating Mindee to V2.
- Delivered FUMAK, a client inventory and POS system, as sole developer (Android + Next.js).
- Built the public landing page for a NITOR unit's Convex, React patient system in production use.

Software Engineer Intern | *Bangladesh Software Solution (BSS), Dhaka* *Feb. 2026 – Apr. 2026*
- Built responsive UIs with HTML5, CSS3, Bootstrap 5 and JavaScript (ES6+), wired to REST APIs.

Projects

VoiceCon | Kotlin, Jetpack Compose, Fastify, Prisma, PostgreSQL, Python, PyTorch, Twilio Website
- Built the Kotlin Android app, Fastify billing API and React admin panel for **realtime AI voice calling**.
- Bridged Twilio legs via a Python gateway to a Seed-VC GPU worker; any error ends the call, so no raw audio is sent.

InvoicePilot | Python, FastAPI, Redis Streams, Supabase, Cloudflare R2 *Private repository*
- Built an **11-stage OCR pipeline** with duplicate, 9-rule fraud and 19-rule anomaly detection.
- Added Redis Streams workers, Supabase (PostgreSQL) storage, Cloudflare R2 files and **246 pytest tests**.

FUMAK Inventory & POS | Kotlin, Jetpack Compose, ML Kit, Next.js, Prisma, PostgreSQL Live Demo
- Built a Kotlin, Jetpack Compose app that decodes barcodes on-device with CameraX and ML Kit.
- Built the Next.js app on Prisma and Neon PostgreSQL with **transactional checkout**, receipts and R2 product images.

LedgerTurf | MongoDB, Express, React, Node.js, JWT, Redux Toolkit, Google Maps GitHub | Live Demo
- Built a MERN booking app with JWT, bcrypt auth and player, owner and admin **role-based access**.
- Added **slot-overlap validation**, GeoJSON venues with a 2dsphere index and Google Maps.

CaseVault | Python, FastAPI, SQLAlchemy, Next.js, Tailwind CSS GitHub | Live Demo
- Built a FastAPI, SQLAlchemy REST API (**9 endpoints**) with paginated, ranked keyword search and filters.
- Built the Next.js and Tailwind CSS search UI with advanced filters over **46 legal documents**.

Zenji Storefront | React 19, TypeScript, Vite, Vitest, Playwright, axe-core GitHub | Live Demo
- Built an 11-route React 19, TypeScript storefront with a useReducer cart persisted to localStorage.
- Wrote **27 Vitest tests** and Playwright, axe-core QA at 8 viewports with **0 WCAG 2.1 AA violations**.

Mini Kanban Board | Next.js, NestJS, Prisma, PostgreSQL, Docker GitHub | Live Demo
- Built a Next.js, NestJS, Prisma, PostgreSQL app with JWT auth and OWNER, EDITOR and VIEWER roles.
- Kept drag-and-drop order consistent via midpoint ordering and row-level locking, with **40 unit and e2e tests**.

Neuro-Screen (Thesis) | Python, CatBoost, PyTorch, SHAP, scikit-learn, Streamlit GitHub | Live Demo
- Built a CatBoost + PyTorch ANN hybrid ensemble screening cognitive impairment, at **95.20% accuracy**.
- Trained on **2,236 survey responses** with an 80/20 stratified split and per-sample SHAP attribution.

Technical Skills

Programming Languages: Python, TypeScript, JavaScript, SQL, Kotlin, Java, C#, C++
Backend & Databases: FastAPI, Node.js, Express, NestJS, REST APIs, PostgreSQL, MongoDB, Redis, Prisma
Frontend & Mobile: React, Next.js, Redux Toolkit, Tailwind CSS, HTML5, CSS3, Android, Jetpack Compose
Testing & Tools: pytest, Jest, Vitest, Playwright, Supertest, Git, Docker Compose, Vercel, Render
AI/ML: Machine Learning, Deep Learning, NLP, OCR, PyTorch, Hugging Face, scikit-learn, CatBoost, OpenCV

Education

American International University-Bangladesh (AIUB) *Dhaka, Bangladesh*
B.Sc. in Computer Science and Engineering | *CGPA: 3.91/4.00* *Sep. 2022 – Apr. 2026*

BAF Shaheen College Dhaka *Dhaka, Bangladesh*
HSC, Science | *GPA: 5.00/5.00* *June 2019 – Feb. 2022*

Honors & Awards

5x Dean's Award Recipient & Merit-Based Scholarship, 70% tuition waiver | AIUB *2022 – 2026*
The Duke of Edinburgh's Bronze Award, for community service and expeditions | AIUB *2025 – 2026*

Certifications & Activities

IBM Full-Stack JavaScript Developer, Professional Certificate | Coursera *May 2026 – Jun. 2026*
Blockchain, Ethereum & Solidity Development, Udemy *Jun. 2026 – Jul. 2026*
Student Activity Coordinator, Space Innovation Camp, 500+ students mentored *2022 – 2025*
Public Relations Representative, WRO Bangladesh *2023 – 2024*