

S. Saadat Hussain

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PROFESSIONAL EXPERIENCE

Software Engineer — SupplyLine

Mar 2025 – Present

Dhaka, Bangladesh · Platform integrations, onboarding and backend engineering

- Own the design and delivery of third-party integrations, connecting the platform to external payment-gateway and logistics-provider APIs and building the automated reconciliation that keeps partner systems in sync in production.
- Troubleshoot and resolve production integration issues under load; cut API and query latency 35–40% through PostgreSQL schema redesign, selective indexing, and query-plan analysis
- Act as the technical point of contact for onboarding new integration partners: run discovery, scope the integration, and troubleshoot issues in live environments until each partner is fully adopted
- Build async processing pipelines (Celery, Redis) and deploy/operate backend services on AWS (EC2, ECS, Lambda) with CI/CD in GitHub Actions.

Delivery Team Lead — AssureProperty Solutions LLC

Mar 2022 – Dec 2024

Florida, USA (remote) · Solution delivery for long-term property-management SaaS

- Led a 5 person delivery team serving long term property-management SaaS clients, owning solution design and day to day execution across 1,000+ engagements
- Onboarded 3 major U.S. property-management SaaS clients end-to end. Led discovery, mapped each client's workflows, designed a tailored delivery solution, and drove every account from kickoff through go-live and steady state adoption
- Owned the primary relationship for 25+ external partners and mentored the delivery team, translating ambiguous, long-term client goals into repeatable action

Software Engineer — ASL Systems

Mar 2021 – Feb 2022

Dhaka, Bangladesh · Aviation software — real-time aircraft surveillance platform

- Led backend R&D for a multilateration (MLAT) aircraft surveillance system, collaborating across engineering teams to deliver a functional real-time tracking platform.
- Designed and implemented Mode-S, Mode-A/C, and ADS-B signal decoding logic and multilateration algorithms for real-time aircraft localisation.
- Built backend services using Python, Flask, Redis, PostgreSQL, and MongoDB to process and store high-frequency aircraft signal data.
- Integrated geospatial libraries and Google Maps APIs to visualise live aircraft positions on an interactive map interface.
- Authored system architecture documentation; contributed to API documentation and peer code reviews.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript / Node.js

Frameworks: Flask, Celery, React

Databases & Messaging: PostgreSQL, MongoDB, Redis

Cloud & DevOps: AWS (EC2, ECS, Lambda), Docker, GitHub Actions

Testing: PyTest, unittest, Postman (API testing)

Architecture & Practices: Microservices, Domain-Driven Design, Hexagonal Architecture, SOLID, REST,

SELECTED PROJECTS

StoryBookAI · Personal Project

AI-powered storybook generator that transforms a user-uploaded photo into a story character. Built an image-to-narrative pipeline using Groq API and Hugging Face vision and language models, orchestrated via a Flask backend.

EDUCATION

B.Sc. in Computer Science and Engineering

2015 – 2020

BRAC University, Dhaka, Bangladesh