

# Abhishek Dvs

[adwivadula@gmail.com](mailto:adwivadula@gmail.com) | [linkedin.com/in/allstarabhishek](https://www.linkedin.com/in/allstarabhishek) | [abhistack.pages.dev](https://abhistack.pages.dev) | Hyderabad, India

## Senior Software Engineer | Logistics & Emerging Markets Platforms

5+ years building scalable web, mobile and point of sale systems used across Africa, the Caribbean, and Asia. Specialized in logistics and payments platforms, optimized for low-connectivity and resource-constrained regions. Experience delivering production systems for national postal operators.

### TECHNICAL SKILLS

**Languages:** TypeScript,

JavaScript, Java (Android, React Native native modules), Python

**Frontend:** React, React Native, Next, Redux, Astro, Tailwind CSS

**Backend & AI:** Node.js, Express, REST APIs, GraphQL, .NET, FastAPI, LangChain.js

**Mobile & Messaging:** FCM (Firebase Cloud Messaging)

**Data:** PostgreSQL, SQL Server

**Cloud & Infra:** Docker, Linux (Arch, Debian), AWS (EC2, S3, RDS)

**Observability & Networking:** Splunk, Wireshark, tcpdump

**Tools:** Git, Jira, MantisHub, AzureDevOps

### EDUCATION

- CVR College of Engineering - Bachelor of Technology- *Hyderabad, India*
- Graduate Studies - MST Rolla, UNC Charlotte

### CERTIFICATIONS

- [Google Cloud Certified – Generative AI Leader](#)
- [Google Cybersecurity Professional Certificate V2](#) | Google (via Coursera)

### LANGUAGES

English (Fluent), Hindi (Bilingual), Telugu (Bilingual), Japanese (Conversational)

### WORK EXPERIENCE

#### Senior Software Engineer, Reason Solutions Pvt Ltd

*Jan 2021-Present*

- Architected Android, iOS, and web logistics platforms serving national postal operators in 8 countries, supporting 1,000+ offices and 5000+ daily deliveries across low connectivity regions.
- Designed and scaled last-mile delivery systems supporting barcode-based handoff, real-time agent reporting, multi-mode payments, and live route optimization with in-app maps and customer calling, digitizing manual logistics workflows.
- Launched **MauPost**, an [Android/iOS](#) app for Mauritius Post, achieving **3,000+ installs in the first month**.
- Shipped **PostGlobal Go**, a portable post office solution adopted by multiple national operators, **integrating POS hardware and receipt printing via Java native modules bridged into React Native**.
- Introduced Myra AI, an internal LLM-powered assistant that automated ticket triage and common customer queries, reducing manual support load for internal teams by ~30–40%.
- Redeveloped **PostGlobal** as a cross-platform web + desktop app to support **OS-agnostic deployment in constrained environments**.
- **Integrated region-specific payment systems** (Cybersource Unified Checkout, MIPS, Mastercard, Airtel Money, Mobile Money), ensuring local regulatory compliance and driving adoption in regulated banking markets.
- Raised external security audit scores from F → A by hardening authentication, enforcing transport security, and mitigating server-side/client-side vulnerabilities
- Implemented bot detection and removed server fingerprinting to reduce attack surface exposure.
- Represented the company at **SAPOA Postal Conference 2023**, presenting production systems adopted by **14+ national postal operators**.

#### Grading Assistant (Part-Time)

*Sept 2017 - June 2018*

- Evaluated and graded Data Structures & Algorithms coursework; supported 40+ students per semester.

### PROJECTS

#### Igris – Resilient AI System

[agentigris.pages.dev](https://agentigris.pages.dev)

Developed a RAG-based conversational AI for personal knowledge bases. Implemented multi-provider LLM fallback and modular prompt composition to ensure stable responses under failure conditions and provider outages.

#### Traata – Privacy-Focused Password Manager

[traata.pages.dev](https://traata.pages.dev)

Designed an end-to-end encrypted password manager with cloud sync and cross-platform support (Web, Android), focusing on privacy-first architecture and zero-knowledge client-side encryption.

#### Linux Terminal Sandbox

[terminalsandbox.pages.dev](https://terminalsandbox.pages.dev)

Developed a browser-based Linux execution sandbox using FastAPI, supporting isolated command execution, WebSocket streaming, and command whitelisting for safe remote usage.

#### BlunderBot – Chess Engine

[blunderbot.pages.dev](https://blunderbot.pages.dev)

Built a Stockfish-powered chess platform with real-time gameplay, rule enforcement, and modular theming, designed for extensibility and performance.