

Venkata Sai Abhishek Dwivadula (Abhishek Dvs)

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Open to Relocation - Visa Sponsorship Required

Senior Full-Stack Software Engineer | Enterprise Logistics, Payments & AI Platforms

Senior Full-Stack Software Engineer with 5+ years of experience architecting scalable enterprise systems for national postal and logistics organizations. Proven track record delivering high-performance customer portals, first- and last-mile applications, control-tower systems, offline-first mobile and POS platforms, payment integrations, CI/CD automation, and AI-powered solutions across Africa and Asia.

TECHNICAL SKILLS

Languages: TypeScript,

JavaScript, Java

(Android/React Native modules), C#, Python

Frontend: React, React

Native, Next.js, Astro, Redux, Jest, Tailwind CSS

Backend & AI: Node.js,

Express, REST APIs, GraphQL, .NET, FastAPI, LangChain.js

Mobile & Messaging: FCM

(Firebase Cloud Messaging), Google Pub/Sub

Data: PostgreSQL, MS SQL Server

Cloud & Infra: Docker, Linux

(Arch, Debian), AWS (EC2, S3, RDS), PM2

Observability & Tools:

Splunk, Wireshark, Git, Jira, Azure DevOps

EDUCATION

- CVR College of Engineering - Bachelor of Technology- Hyderabad, India
- Graduate Coursework - Missouri University of Science and Technology, UNC Charlotte

CERTIFICATIONS

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

LANGUAGES

English, Hindi, Telugu,

Japanese (Conversational)

WORK EXPERIENCE

Senior Software Engineer, Reason Solutions Pvt Ltd

Jan 2021-Present

- Lead development of web and mobile platforms using React, React Native, and Next.js, powering national postal operations across 10+ countries, 1,000+ offices, and 5,000+ daily deliveries.
- Architected last-mile systems unifying barcode handoffs, live route optimization, and localized payment gateways to ensure regulatory compliance.
- Launched **MauPost**, an [Android/iOS](#) app for Mauritius Post (**10,000+ annual transactions, 3,000+ installs in first month**).
- **Shipped PostGlobal Go**, a complete Android POS, bridging native Java modules for hardware printing to support 500+ daily operators in low-network regions.
- **Optimized** MS SQL Server queries, reducing processing time from 6 minutes to 1.5 minutes, and eliminated a payload-processing defect that could truncate up to 50% of transmitted data, achieving 100% ingestion fidelity.
- Shipped **PosBru Virtual Post Office** for **Brunei**, serving 10,000+ users, unifying logistics scheduling, user management, and payment processing.
- Redeveloped **PostGlobal** as a cross-platform web + desktop app to support **OS-agnostic deployment in constrained environments**.
- **Introduced** Myra AI, an LLM-powered support assistant reducing manual ticket triage by 40%.
- **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.
- Automated CI/CD deployments across multiple projects using branch-triggered Azure DevOps Pipelines, integrating Microsoft Teams notifications for deployment initiation, success, and failure.
- Hardened authentication and transport security across enterprise platforms, raising external security audit scores from F to A and mitigating server/client-side vulnerabilities.
- Represented the company at SAPOA Postal Conference 2023, presenting production postal and logistics solutions to representatives from national postal operators across 14+ countries.

Grading Assistant, Missouri University of Science and Technology

Sept 2017 - June 2018

- Evaluated and graded Control Systems coursework; supported 40+ students per semester.

PROJECTS

Igris/Beru – Resilient AI System

agentigris.pages.dev

Engineered a fault-tolerant, RAG-based conversational AI and automated email agent featuring multi-provider LLM fallbacks and modular prompt composition to guarantee high availability during provider outages.

Traata – Privacy-Focused Password Manager

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, zero-knowledge client-side encryption and automated CRON jobs for background data reconciliation.

Linux Terminal Sandbox

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.

Mosslight Isle – Interactive 2.5D Exploration World

mosslight-isle.pages.dev

Developed a mobile-first, explorable fantasy environment featuring responsive navigation, interactive world design, and immersive 2.5D visuals using React and TypeScript.