

Abhishek Dvs

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Senior Software Engineer | Distributed Systems | Logistics Platforms | Low-Latency Applications

5+ years building scalable, full-stack web and mobile applications utilized across emerging markets. Specialized in highly resilient, offline-first architectures and cross-platform ecosystems. Proven track record of delivering production-grade applications integrating secure payment gateways and LLM-powered AI workflows, strictly aligning with stringent European data protection and regulatory standards. Targeting full-time roles in the EU.

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**.
- Architected 'Myra AI', a resilient LLM-powered enterprise assistant utilizing a Node.js BFF orchestration layer, driving a 40% reduction in manual operational overhead.
- 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.
- Led enterprise frontend security overhauls, elevating external audit scores from F to A by enforcing token-based authentication and mitigating client-side vulnerabilities critical for EU data protection frameworks.
- 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

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

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

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

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