Sijoy John Almeida

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Education

Northeastern University — Boston, MA
Master of Science in Information Systems (GPA: 3.8/4.0) — *Sep 2023 – May 2025*

University of Mumbai — Mumbai, India
Bachelor of Engineering in Information Technology — *Aug 2018 – Aug 2022*

Experience

JoSho IT Solutions — Founder & Lead Engineer — Mumbai, India → Boston, MA
Full-Stack Development, IT Infrastructure, Automation — *May 2020 – Present*

- Founded and operate a full-service IT company serving **50+ SMB clients** across Boston and Maine with CCTV, POS, networking, and web development.
- Architected AWS infrastructure and Dockerized services for CLC Abroad, supporting team scale from **3 to 27 employees** across 3 offices.
- Built CRM automation integrating WhatsApp Business API with Node.js and Python, processing **1,000+ monthly leads** with 99.9% uptime.
- Reduced manual operational workload by **60%** through custom lead-scoring algorithms and automated follow-up pipelines in Java and SQL.
- Designed and deployed a 5-agent overnight automation system (Node.js, SMTP/IMAP) with 13 SOPs, 35 email templates, and CI/CD pipeline deploying in **13 seconds**.

Ipser Lab, LLC — Technical Product Engineer Intern — Remote, USA
Product Validation, Backend Testing, Cloud Architecture — *Sep 2025 – Present*

- Engineered automated validation frameworks using Python and SQL to test backend services, improving release velocity and reducing regression defects.
- Collaborated on cloud-native architecture decisions and system benchmarking for a seed-stage startup, reporting directly to the CEO.

M & Z Distribution — Systems & Automation Developer — Maine, USA
Backend Automation, System Integration — *May 2024 – May 2025*

- Developed backend automation pipelines integrating inventory, order processing, and fulfillment systems, reducing manual data entry by **45%**.
- Built a full e-commerce platform with real-time inventory tracking, automated metadata tagging, and distributed SQL schema for high-volume listings.

JoSho Music — Founder & Audio Engineer — Mumbai, India
Content Engineering, Data-Driven Growth, Digital Distribution — *Dec 2020 – Feb 2023*

- Scaled a digital music brand to **76.9K YouTube subscribers** and **25M+ organic views** by reverse-engineering content algorithms with analytics-driven optimization.
- Managed end-to-end audio production (Cubase DAW, DSP plugins) and digital distribution via CD Baby to Spotify, Apple Music, and YouTube Music.

Technical Skills

Languages: Java, Python, JavaScript, TypeScript, C++, SQL, HTML/CSS
Backend: Node.js, Spring Boot, Express.js, Django, REST APIs, GraphQL, Microservices
Frontend: React, Next.js, Redux, Tailwind CSS, Three.js, GSAP
Cloud & DevOps: AWS (EC2, S3), Docker, CI/CD, GitHub Actions, Linux, Git
Databases: PostgreSQL, MySQL, MongoDB, Firebase, ChromaDB
AI & ML: RAG, LLM Integration (Llama 3), OpenCV, TensorFlow, MediaPipe, NLP
Infrastructure: CCTV/IP Camera Systems, POS Deployment, LAN/WAN, Structured Cabling

Projects

RealEstate Genie — AI Recommendation Engine (Python, Llama 3, ChromaDB, RAG) — 2024 – Present

- Built end-to-end RAG pipeline with HNSW vector indexing achieving **95% contextual accuracy**; reduced query latency from 8s to **under 4s** via async processing.
- Implemented automated evaluation framework benchmarking retrieval precision against 50K+ simulated real estate datasets with multi-turn chat support.

Gesture-Controlled MIDI Engine (C++, Python, OpenCV, MediaPipe) — 2025 – Present

- Developed real-time hand-tracking engine processing **21 landmarks at 60 FPS** with **sub-15ms latency** using multithreaded C++ and custom jitter-smoothing filters.
- Engineered velocity-mapping pipeline translating 3D spatial data (Euclidean distance) into dynamic MIDI expression for contact-free musical performance.

GoHaven — Automated Real Estate Platform (React, Python, SQL) — 2024 – Present

- Built full-stack media ingestion platform with "shoot-to-edit" workflow, reducing media processing time by **40%** with automated metadata tagging.