

Addjoy Barreto

Senior Software Engineer

EducationTech | OTT Platform | Media | Ecommerce | Agrotech | IOT | Automation | AI/ML | LLMs

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PROFILE

Versatile and impact-driven engineer with 5+ years of experience building secure, scalable platforms across fintech, edtech, and media domains. Proven track record of delivering real-time systems, payment integrations, and learning platforms that serve millions globally. Adept at full-stack development, cloud infrastructure, and driving features from concept to production.

TECHNICAL SKILLS

- **Languages & Frameworks:** JavaScript (React, Next.js, NestJS, Angular), TypeScript, Python (Django), Node.js, tamagui, zustand, redux, Node.js, Express, HTML, CSS, ANTD, MUI, Bootstrap, Tailwind and more.
 - **Databases:** PostgreSQL, MySQL, MSSQL, Redis, MongoDB
 - **Cloud & DevOps:** AWS, GCP, Azure, DigitalOcean, CI/CD, EC2, APP Engine, Heroku, Netlify, Apache, Nginx, Docker, VPS, Firebase, event-driven architecture, serverless architecture
 - **Tools & Protocols:** Socket.IO, JWT, ANPR Tools, Google APIs, Apple Pay, Stripe, 2checkout, Crypto Wallets, RESTful APIs, Payment gateways, 3rd party API integration, GPT, LLMs, AI/ML..
 - **Automation & IoT:** IoT integrations, real-time automation protocols, workflow orchestration
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PROFESSIONAL EXPERIENCE

Voizzit (Dubai/UAE)

Full Stack Software Engineer

2024 – Present

- **Architected and led the end-to-end development** of a global streaming platform serving **3M+ users** across web and mobile using **Next.js, NestJS, Redis, PostgreSQL**, reaching **99.98% uptime** and **<200ms global response times**.
- **Delivered mission-critical features** across web and mobile (Expo), driving **40%+ growth in user engagement** and strengthening platform performance in a competitive market.
- **Designed and deployed scalable cloud infrastructure on AWS and DigitalOcean**, enabling real-time capabilities via **Socket.IO** and improving mobile performance with **Tamagui-powered Expo apps**, reducing load times by **~60%**.
- **Built and shipped 5+ high-impact features** across multiple EdTech platforms, increasing learner engagement and retention by **~35%**, while enhancing accessibility through responsive UI, multilingual support, and well-optimized APIs.
- **Developed and integrated LLM-driven features** using **GPT models** (content generation, learning content personalization, automated grading, and smart recommendations) for an EdTech product that was later **adapted for multi-country rollout**, with localization and compliance support.
- Collaborated cross-functionally to deliver secure, scalable, and maintainable systems across distributed architectures.
Technologies: NestJS, NextJS, Socket.IO, Redis, PostgreSQL, AWS, DigitalOcean, Expo, Tamagui, etc.

Innobayt Innovation Solutions (Dubai/UAE)

Full Stack Software Engineer

2022 – 2024

- **Automated industry-specific workflows**, integrating hardware with centralized admin panels, leading to a **60% reduction in manual operations** and **50% faster turnaround times**.

- **Built and launched a high-traffic e-commerce platform** for a single vendor, integrating **Stripe, Google Pay, and crypto payments**, and scaling to **50K+ users** and **10K+ successful transactions** within the first 6 months.
- **Optimized compute-heavy data pipelines**, developing a data-driven profiling app that reduced processing time by **40%** and improved accuracy for scientific computations.
- **Implemented real-time automation protocols** (health checks, self-healing processes) that decreased downtime events by **~70%** in enterprise environments.
Technologies: React, Next.js, Angular, Python, Django, Node.js, PostgreSQL, MySQL, Stripe, Crypto Wallets, JWT, and more.

Intuio Software Labs Pvt. Ltd. (India)

Full Stack Software Developer
2020 – 2021

- **Designed and developed** a quoting system for the automotive industry, enabling **instant vehicle price estimates** with 90%+ accuracy, and cutting inquiry response time by **80%**.
- Shipped a **vacation rental platform** with smart B2C API integrations
- **Created a smart job portal** featuring **AI-powered profile matching**, shortening recruitment cycles by **30%** and improving candidate fit scores by **25%**.
Technologies: React, React Native, Node.js, Express, MongoDB, MySQL, Stripe, Google APIs, Socket.IO.

DIGISOL Systems Ltd. (India)

Intern
Jan 2019 – Feb 2019

- **Revamped a .NET-based Visitor Management System**, automating check-ins and appointment scheduling, improving security logging, and saving **25+ man-hours/week**.

Chowgule Brothers Pvt. Ltd. (India)

Intern
June 2018 – July 2018

- **Digitized 30K+ paper records** into a centralized database with intelligent tagging, increasing data retrieval speed by **10x** and reducing administrative load.

EDUCATION

Bachelor of Engineering in Computer Science

Padre Conceicao College of Engineering, Goa (2016 – 2020)

- **Specialization:** Full-stack development, software engineering, and problem-solving methodologies.

ACHIEVEMENTS & AWARDS

- **Exceptional Performance Award** (Dec 2022) at Innobayt Innovation Solutions for outstanding technical contributions.
- **Pioneered large-scale automation**, enhancing industry processes and efficiency.
- Orchestrated a high-impact **e-commerce platform** with integrated crypto payments, Stripe, and Google Pay.