

Krushit Dudhat

Senior Software Engineer · Backend · Full-stack · AI · Blockchain

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SUMMARY

Senior software engineer with 4+ years building scalable backend, Web3, and AI systems end to end. Proven across blockchain (multi-chain NFT infrastructure, ERC-3643 asset tokenization), production AI microservices (RAG, semantic caching, agentic automation), and multi-tenant SaaS, with the range to own frontend (React/Next.js) and cloud (AWS) when the product needs it. Founder of **Bahi Mitra**, a forensic-analytics SaaS for e-commerce sellers. Fast to adopt new tech and move across the stack.

SKILLS

Languages	TypeScript, JavaScript, Python, Solidity, HTML/CSS
Backend	Node.js, NestJS, FastAPI, gRPC, REST, event-driven & microservices, OOP
Frontend	React, Next.js, EJS, Tailwind
AI / ML	RAG architecture, semantic caching, LLM & OCR pipelines, agentic workflows (Agno, OpenAI), auto-evaluation, Vector DBs
Blockchain	Ethereum, Solidity, ERC-3643, multi-chain NFT lifecycle (mint→resale), Web3
Payments	Razorpay, Stripe, Authorize.net, MoonPay (crypto on/off-ramp), idempotent transactions, webhook orchestration, wallet systems
Data	MongoDB, PostgreSQL, DynamoDB, Redis, Elasticsearch, Prisma, MikroORM
Cloud / DevOps	AWS (EC2, S3, DynamoDB, Lambda, SST), Azure, GCP, Docker, Kubernetes, CI/CD, Serverless, Linux, Git/GitHub
Observability & Tools	Datadog, Sentry, K6, Postman, Frappe CRM

EXPERIENCE

Senior Software Developer · Codebuddy Pvt.

May 2025 – Present · Pune, India

- Medical SaaS Platform:** Architected a HIPAA-compliant multi-tenant backend from scratch (NestJS, MongoDB, Elasticsearch) so clinics and medical businesses onboard as isolated tenants; built patient & customer management, medicine ordering & delivery, appointment scheduling, clinic & medical inventory, and report/file tracking, with RBAC, OAuth and JWT, deployed on AWS.
- Crane Management Platform (MNC):** Led migration of a legacy MS Access system to a modern stack: a Python FastAPI backend that preserved the existing DB in phase one for zero disruption. Integrated AI-based operator suggestions and rebuilt the frontend in Next.js for onshore/offshore port crane operations.
- Property Management Platform:** Built a Razorpay wallet and payment-gateway system (factory pattern) with idempotent transaction locking to prevent double-spend under concurrent requests, plus a webhook pipeline with retry logic and guaranteed delivery via queue/worker. Added multi-provider email integration with isolated worker sync and OCR pipelines (traditional + LLM) for large documents.
- AI Agents & Automation:** Built a suite of AI agents (Agno + OpenAI): a lead-generation and proposal-drafting agent that schedules follow-ups, and a ClickUp agent that restructures tasks, handles reassignments, and manages dependencies autonomously.

Senior Software Developer (Lead) · RedSoft Solutions Pvt. Ltd.

Feb 2024 – Apr 2025 · Remote

Building MosaicAI (mosaicai.co), an AI-powered fundraising and real-world-asset tokenization platform for commercial real estate

- Led end-to-end development of RAG-architecture AI microservices for secure, configurable, upgradable asset-based chatbots.
- Led R&D and production deployment of AI components; added semantic caching for faster responses and next-question suggestions to drive adoption.
- Built an auto-evaluation module that samples AI-generated responses to score output quality.
- Integrated MoonPay for crypto on-ramp and off-ramp, enabling fiat-to-crypto and crypto-to-fiat conversion within the platform wallet.
- Led R&D for ERC-3643-based asset tokenization, including technical feasibility assessments and proof-of-concept development.
- Shipped two production-ready Frappe CRM apps: **OneLead** (auto-pulls leads from Google/Meta Ads into Frappe) and **OneInbox** (unifies WhatsApp, Instagram & Messenger into one inbox).

Senior Software Developer · RedSoft Solutions Pvt. Ltd.

Jan 2023 – Feb 2024 · Remote

Building Web3 NFT infrastructure for MetaJuice / IMVU, the world's largest Web3 social metaverse

- Built a multi-chain API kit covering the full NFT lifecycle (mint→resale), with Stripe and Authorize.net fiat rails, letting creators launch collections with zero blockchain knowledge.
- Designed a custom async queue (Node workers) for a blockchain activity tracker with Datadog logging and cron-driven dashboard stats, removing blocking and wait-heavy operations to cut processing time roughly 3x.
- Shipped API Kit v2 with improved docs and an automated Postman test suite; performed a major refactor incl. testnet & DB migration enabling multitenancy.
- Load- and stress-tested APIs with K6 to improve responsiveness and stability; built internal admin dashboards and UI modules in React/Next.js.

Software Engineer · Bacancy Technology

Jan 2022 – Jan 2023 · Ahmedabad, India

- Developed RESTful APIs for a time-tracking application and an employee CRM system.
- Configured Sentry for performance monitoring and integrated Slack for real-time error logging; supported development and deployment for timely delivery.

PROJECTS

Bahi Mitra · Founder & Engineer

bahimitra.in

- A forensic-audit SaaS that reconciles Meesho sellers' settlement files to surface recoverable money: pending penalties, unpaid RTOs, below-cost SKUs, and unreconciled settlements. Multi-tenant with row-level security; 15+ detectors on every upload.
- Traction:** 40+ sellers onboarded, 100+ shops audited, ₹5Cr+ in monthly settlement under audit. Roadmap: inventory & product-pipeline management.

EDUCATION

B.E., Computer Engineering · Vishwakarma Government Engineering College

2022 · Ahmedabad