

Dushyant Singh Shekhawat

Engineering Leader | Senior Software Engineer | Applied AI | SaaS Systems

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Professional Summary

Hands-on engineering leader and senior software engineer with 14+ years of experience building AI, backend, full-stack, SaaS, and mobile products. Led engineering teams, built AI systems, improved Elixir and Rails products, and helped engineers grow into owners while staying close to architecture and code. Experience includes banking, conversational AI, commercial real estate, appointment booking, fintech, and distribution.

Skills

Languages: Python, Ruby, Elixir, JavaScript, TypeScript, Java, Kotlin, Go

Backend and web: Django, Rails, Phoenix/LiveView, Node.js, React, Next.js, REST APIs, distributed and event-driven systems

AI systems: LLM applications, speech-to-text, conversational AI, LangChain, LangGraph, LiveKit, Whisper

Data and infrastructure: PostgreSQL, MySQL, Redis, Celery, Sidekiq, RabbitMQ, AWS, GCP, Databricks, Docker, Kubernetes

Leadership and delivery: software architecture, engineering management, team building, mentoring, product work, testing, CI/CD, stakeholder and client delivery

Professional Experience

Head of Technology | Jinacode | May 2024 - Present

Technologies: Python, Django, React, Next.js, LangChain, LangGraph, LiveKit, Whisper, Celery, Redis, PostgreSQL, Databricks, Docker

- Built and led the technical team in a company of about 15 people. Led roughly nine contributors, owned architecture and delivery for three projects, advised a fourth, and helped with product and operations
- Made delivery predictable within one month for a web and mobile client project. Agreed on a short improvement period, simplified the codebase, added automated checks, CI/CD, and code reviews, and trained internal and contract developers
- Built an AI hotel-call auditing platform as a solo full-stack project using Django, Next.js, PostgreSQL, Celery, Redis, Whisper, and GPT-4. Cut the documented processing time from 30-60 minutes to 2-5 minutes
- Built a regulatory document-review proof of concept for a large private bank using GPT OSS 20B on Databricks and NVIDIA A100 GPUs. It produced no false positives in the documented test
- Designed Jina Connect, a multi-tenant customer platform for WhatsApp automation, shared inboxes, AI voice agents, IVR, outbound campaigns, routing, access control (RBAC), and billing
- Delivered additional client work across payment integrations, education technology, enterprise messaging, and system migration planning

Software Engineer | Xuku LLC | Remote

Engagements: Recast, Feb-May 2021; Enaia, Oct 2023-May 2026

Technologies: Elixir, Phoenix, LiveView, PostgreSQL, Stripe, Playwright

- Built and improved two SaaS products across separate engagements: a podcast platform with hosting, RSS distribution, subscriptions, and media workflows, and a commercial-real-estate platform
- Improved shared LiveView code, reporting, billing, product flows, integrations, and tests, and handled recurring Elixir, Phoenix, LiveView, and OTP upgrades
- Built dashboards, charts, PDF reports, referrals, lead-conversion flows, client portals, contact management, and commission tracking
- Added Stripe billing and Playwright end-to-end tests for critical user flows

Senior Software Engineer | Nearcut | Remote | Jan 2022 - Jul 2024

Technologies: Ruby on Rails, JavaScript, MySQL, Redis, Sidekiq, Stripe

- Designed a custom algorithm for fitting variable-length appointments into available calendar windows
- Cut a key onboarding journey from 8 steps and 32-64 fields to 5 steps and 6 fields. The broader work contributed to 15% higher overall conversion, 18% higher sign-up conversion, and 16% lower churn
- Built shared autocomplete, multi-select, file-upload, and positioning components, plus an SVG logo generator with curved-text sizing
- Integrated Stripe subscription and payment workflows

Engineering Manager | BlueSapling Technologies | Remote | Jun 2019 - Dec 2021

Technologies: Ruby on Rails, React, React Native, Node.js, Go, PostgreSQL, MySQL, Redis, RabbitMQ, Kubernetes, Docker

- Managed 10 engineers across two teams: seven on Distributo and three on a loyalty platform. Helped both teams work independently while remaining the principal engineer for the hardest technical work
- Built a repeatable development pipeline for junior engineers: teach the basics, assign meaningful production work early, increase difficulty and responsibility over time, and hand over ownership as they became ready. Used it with several engineers; one grew from little programming experience to primary backend ownership
- Built a reporting system using PostgreSQL materialized views, dynamic queries, charts, and background exports. It supported more than 60 report types and became a key product differentiator
- Helped grow the product from about 100 to 1,000 users
- Designed and deployed a microservices loyalty platform using Rails, Node.js, RabbitMQ, React, React Native, Docker, and Kubernetes
- Set up CI/CD, development practices, code reviews, testing workshops, and technical mentoring

Lead Mobile Developer | BlueSapling Technologies | May 2018 - May 2019

- Led React Native and TypeScript development for a field-sales application used by distribution teams across India
- Built mobile architecture and integrations spanning navigation, camera access, WebViews, forms, animation, and application-layer caching

Android Developer | Zuper GmbH | Remote | May 2017 - Apr 2018

- Reworked the Android architecture of a fintech banking app, built custom UI components, and implemented certificate pinning and other security hardening
- Introduced CI/CD and automated testing, contributing to a documented 55% reduction in customer-facing issues

Software Engineer | Loktra | Bengaluru | Jul 2016 - May 2017

- Served as the sole developer across multiple Android applications through several product pivots, building real-time tracking, route visualization, map interactions, navigation, and automated Play Store deployment
- Contributed to product demonstrations and technical delivery that supported the company's pre-seed fundraising

Freelance Software Engineer | Remote | May 2012 - Jun 2016

- Delivered Java/Spring web applications, Android applications, responsive websites, and REST APIs for multiple clients, from requirements through deployment, communication, and maintenance

Education

B.Tech | Indian Institute of Technology Roorkee | 2008 - 2012