

Mohd Zaid

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EXPERIENCE

Absinthe Labs

Oct, 2025 – Present

Software Engineer

NYC, US (Remote)

- Owned the company's core campaign and incentives platform end-to-end, architecting and shipping 100+ production features across distributed backend systems, identity verification infrastructure, and high-throughput data pipelines used by enterprise Web3 projects running large-scale user engagement programs.
- Engineered distributed ingestion systems handling millions of user submissions, implementing concurrency-safe processing, rate limiting, validation pipelines, and moderation workflows to support large traffic spikes.
- Extended dbt pipelines powering campaign points and incentive systems by building transformation models, performing large-scale data cleanup, and resolving pipeline failures across millions of rows of user activity and campaign event data across production analytics workflows.
- Reduced infrastructure costs from \$300/day to \$500/month (94% reduction) by containerizing backend services, redesigning deployment architecture, and improving compute utilization across production workloads.
- Improved platform performance by optimizing inbound/outbound APIs and database queries, debugging distributed cache inconsistencies, and building systems including an AI-powered website generator and a reputation-based identity verification system using non-transferable NFTs across platform workflows.
- Tech Stack: TypeScript, Node.js, React, Next.js, GraphQL, Hasura, PostgreSQL, DBT, Docker, AWS

IG Group

Sept 2024 – Sept, 2025

Full Stack Developer

Bangalore, India

- Migrated legacy on-prem Spring Boot trading systems to AWS using Terraform, designing infrastructure across services including Lambda, DynamoDB, S3, and SES, achieving a 35% infrastructure cost reduction while delivering 99.99% system uptime and sub-50ms query latency for 350k+ active traders.
- Built distributed Kafka pipelines and WebSocket services to synchronize real-time trading data between cloud and on-prem systems while managing third-party trading platform integrations including ProRealTime and TradingView, reducing manual data handoffs by 80% and enabling low-latency order and market communication.
- Developed and deployed Spring Boot microservices on Nomad to process and route 10k+ Kafka events daily with zero downtime, improving reliability through comprehensive unit, functional, and performance testing across distributed trading workloads.
- Tech Stack: Spring Boot, Node.js, Kafka, Java, AWS, Terraform, JavaScript, TypeScript, Nomad, Docker

Bloom

Dec 2023 – Aug 2024

Co-founder, Engineering Lead

London, UK (Remote)

- Co-founded and architected a multi-tenant apprenticeship platform for African markets using Next.js, TypeScript, Supabase, and PostgreSQL, enabling scalable mentor-apprentice programs with rapid product iteration.
- Designed a multi-tenant backend using Supabase Row-Level Security, PostgreSQL triggers, and serverless functions to enforce fine-grained access control and maintain data integrity across mentors, apprentices, and organizations.
- Built a real-time messaging system using Supabase Realtime and PostgreSQL LISTEN/NOTIFY, enabling low-latency communication and collaboration across apprenticeship cohorts.
- Integrated Paystack Split Payments API to automate apprentice-to-mentor payouts and platform fee extraction while maintaining compliance with regional payment regulations.
- Launched the platform to 1200+ users and 50+ live apprenticeship programs, improving onboarding flows to reach a 70% completion rate and onboarding 15+ partner organizations within three months.
- Tech Stack: React.js, Next.js, TypeScript, Supabase (Auth, Storage, Realtime), PostgreSQL, Tailwind CSS, Docker

Graviti

Oct 2022 – Dec 2023

Full Stack Developer

Remote

- Built and scaled a real-time order tracking platform using Google Maps API, WebSockets, and geolocation services, enabling 100+ manufacturers and transporters to monitor delivery status and vehicle movement across distributed logistics workflows.
- Developed backend REST APIs in Node.js to synchronize live location updates and order status across systems, ensuring reliable real-time data propagation between transporters, manufacturers, and internal dashboards.
- Engineered a custom in-browser PDF and image viewer using React and PDF.js for cross-device rendering of receipts and order confirmations, improving frontend performance with modular components built using Next.js and TypeScript.
- Tech Stack: React.js, Next.js, TypeScript, TailwindCSS, Node.js, Shadcn, REST API

PROJECTS

- Orqys** | *OpenClaw, Codex, Claude, Azure, MCP, AI Agents, Python* 2026
- Built an AI-native engineering operations layer that converts tickets into production-ready pull requests by orchestrating multiple LLM agents across the software development lifecycle.
 - Designed agent workflows for code generation, context retrieval, and PR synthesis, enabling end-to-end automation from issue understanding to deployable code.
- Wispr Flow** | *Python, Hetzner, Whisper, Ollama, Dolphin3, Apple MLX, Threading* 2026
- Developed a local-first voice-to-text system for macOS with real-time transcription and on-device LLM rewriting, eliminating cloud dependency and latency.
 - Optimized inference pipelines using Apple MLX and multi-threading to achieve fast, privacy-preserving speech processing on consumer hardware.
- Synapse** | *Node.js, GCP, Next.js, Tailwind, Rapid API, Ollama* 2026
- Built a semantic search and relationship-mapping engine over personal networks, enabling users to query contacts (e.g., founders, investors) using natural language.
 - Ranked and scored connections based on activity and relevance signals, turning unstructured social graphs into actionable insights.
- Neploy** | *Node.js, AWS, Docker* 2024
- Created a developer-centric deployment platform for one-click application shipping, abstracting infrastructure, CI/CD, and runtime configuration.
 - Automated provisioning and deployment workflows on cloud infrastructure, reducing setup complexity for early-stage builders.

TECHNICAL SKILLS

Java, Springboot, AWS, JavaScript, TypeScript, Python, SQL, PostgreSQL, React.js, Node.js, Next.js, Docker, Git, Terraform, Kafka, Nomad

EDUCATION

Nitte Meenakshi Institute of Technology
Bachelor of Engineering in Computer Science

Bangalore, India
Aug. 2020 – July 2024