

# Vikas

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## EXPERIENCE

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### Autonomis

May 2025 to Nov. 2025

#### Software Developer Intern

Remote

- Extended the core custom framework to support **6 new data sources** (Salesforce, PostgreSQL, HubSpot, MongoDB, S3, Snowflake), significantly broadening platform data connectivity
- Revamped the entire client-side OAuth flow, improving connector reliability and reducing authentication errors across all integrations
- **Refactored 1,000+ lines** of monolithic connector code into a fully modular architecture, cutting per-connector integration time and improving maintainability
- Improved Core Web Vitals (LCP, INP, CLS) via smart prefetching, **server-side Redis caching**, and client-side TanStack Query, delivering measurably faster page load performance

### 100xDevs Hacker House

Dec. 2025 to Present

#### Freelance Mobile Developer

Remote

- **Aircut**: Full-featured salon booking app for an Italian client (React Native Expo, Supabase); implemented end-to-end booking flows, real-time slot management, and production deployment
- **Car Rental App**: Complete car rental mobile application (React Native Expo); delivered browse, booking, and payment workflows for a live client-facing product

## PROJECTS

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### Strivon | *Next.js, AWS Lambda, Cerebras, Redis, PostgreSQL, GitHub API*

- Built a **fully serverless agentic career platform** that understands a user's complete professional profile: IDE heartbeat activity, resume data, and fully indexed GitHub repositories
- Created a dedicated **AWS Lambda microservice for LaTeX resume compilation**, isolating compute-heavy processing for resilience and independent scalability
- Engineered a stealth job fetcher capable of **bypassing Cloudflare bot detection**, aggregating listings from LinkedIn, Twitter, and 9+ platforms into one unified pipeline
- Achieved lowest first-token latency using **Cerebras inference**, combined with a skills-graph intent router and long-term knowledge persistence system
- Optimized Core Web Vitals with layered server/client-side caching and strategic prefetching

### Exness: Trading Engine | *Next.js, Redis Streams, PostgreSQL, Prisma, WebSocket, Turborepo*

- Designed a **microservices trading system** (API, Engine, Poller) with event-driven architecture over Redis Streams; used correlation IDs for async request-response across services
- Built a **low-latency in-memory order book** enabling constant-time balance lookups and instant margin/liquidation checks with zero database round-trips on critical paths
- Implemented a **real-time liquidation engine** handling TP, SL, and sub-5% margin scenarios with PnL settlement; integrated Backpack Exchange WebSocket for live BTC/USDC price data
- Designed a **hybrid persistence model** (in-memory + 10s PostgreSQL snapshotting) with full state recovery on restart; managed monorepo with Turborepo and shared packages

### Serverless Video Streaming Platform | *AWS Lambda, S3, SQS, ECS Fargate, DynamoDB, Cognito*

- Scalable, fully serverless platform for course video upload, **automated FFmpeg transcoding via ECS Fargate**, and HLS adaptive streaming
- Orchestrated async processing pipeline with **SQS** for job queuing; S3 as origin store, DynamoDB for metadata, Cognito for authentication

### Temp Mail: Disposable Email Service | *Rust, PostgreSQL, SMTP, REST API*

- Self-hosted disposable email service written in **Rust** with a standards-compliant SMTP server; persists inbound emails to PostgreSQL and exposes them via a lightweight REST API with zero third-party mail dependencies

## EDUCATION

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**Lovely Professional University**  
*Bachelor of Computer Applications*

July 2023 to 2026  
Punjab, India

## LEADERSHIP & IMPACT

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- **Community Lead, Physics Wallah:** Scaled and moderated a **100K+ member** developer Discord; drove teacher-student-alumni sessions, channeled student feedback directly into PW app improvements, and organized events that meaningfully boosted community engagement
- **Open Source Mentorship:** Maintained a GitHub organization for early-stage developers, guiding learners end-to-end from zero to shipping real, quality projects
- Built an AI-powered Twitter bot that generated **400K impressions in 2 days** through automated contextual replies
- Logged **1,500+ hours** of tracked coding activity across open source, freelance, and personal projects

## SKILLS

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**Languages** : JavaScript, TypeScript, Rust

**Frontend** : React, Next.js, Redux, Tailwind CSS, React Native (Expo)

**Backend** : Node.js, Express, PostgreSQL, MongoDB, Mongoose, Prisma

**Cloud & Infra:** AWS Lambda, EC2, ECS Fargate, S3, SQS, DynamoDB, Cognito, Vercel, Nginx, Certbot, FFmpeg, Docker

**Libraries** : TanStack Query, Redis, ZOD, Next-Auth, Clerk, Turborepo

**Dev Tools** : Git, VS Code, Zed, Claude CLI, Postman, Android Studio

## HOBBIES

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- **Reading:** Started reading to sharpen communication skills and never stopped; now read across technical, marketing, GTM, and other domains. **7+ books completed** so far. Currently focused on software architecture and systems design:
  - *The Pragmatic Programmer* by Hunt & Thomas [Completed]
  - *Clean Code* by Robert C. Martin [Completed]
  - *Fundamentals of Software Architecture* by Richards & Ford [In Progress]
  - *System Design Interview* by Alex Xu [In List]
  - *Designing Data-Intensive Applications* by Kleppmann [In List]
  - *Database Internals* by Alex Petrov [In List]
  - *Release It!* by Michael T. Nygard [In List]

## FELLOWSHIPS

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- **Solana India Fellowship 2026** | Superteam India One of the select builders chosen across India for the Solana ecosystem
- **Super 30 2.0** | 100xSchool by Kirat Handpicked into a cohort of 30 developers for intensive mentorship and project building