

DIKSHANT SINGH

+91 7339895383 | [Portfolio](#) | [✉ singhdikshant200@gmail.com](mailto:singhdikshant200@gmail.com) | [LinkedIn](#)

EXPERIENCE

Chainscore Labs | Software Development Engineer November 2024 – Present | Pune, India

- Built a responsive, feature-rich UI for a staking, casino, and sports betting platform using React, TypeScript, Redux Toolkit, and **GSAP**, integrating **crypto wallets** (Wagmi/RainbowKit) for seamless user onboarding.
- Engineered a real-time notification system using **Server-Sent Events (SSE)**, enabling low-latency live updates across enterprise workflows.
- Developed Node.js/Express APIs with WebSocket services for real-time data, **transaction** handling, and secure **wallet deposit/withdrawal** flows, supporting thousands of concurrent users.
- Co-developed Opensource **JAM (JOIN-ACCUMULATE MACHINE)**, a **decentralized protocol** for **Polkadot**, using **Python** to architect computational pipelines (Polkadot Virtual Machine) and consensus mechanisms (Safrole/Grandpa), resolving **blockchain scalability/coherency** trade-offs.
- Worked on a high-performance **SDK** in **C** for the Polkadot-JAM ecosystem, focusing on low-level system design, instruction handling, and virtual machine integration.

Chainscore Labs | Software Development Engineer Intern July 2024 – October 2024 | Pune, India

- Built the complete trading frontend for **TelosX** (Layer-1 blockchain exchange) using **Next.js** and **TypeScript**, including **landing page** design, **Auth0** authentication, and **Bitgate WebSocket** integration for real-time trading data.
- Architected **crypto swaps** to enable **spot/margin** trading with Redux Toolkit state management and optimized UI latency by 40%, driving secure, high-frequency trading.

Elevatifier | Full Stack Intern March 2024 – May 2024 | Remote

- Created a role-based admin dashboard and API documentation system, improving backend development speed by 60%.
- Delivered a multi-store e-commerce frontend and centralized admin dashboard using React and Tailwind CSS, improving operational efficiency.

SKILLS

- **Languages:** C, C++, JavaScript, TypeScript, HTML, CSS.
- **Frameworks/Libraries:** Next.js, React, Redux, Node.js, NestJs, Express, REST APIs, GraphQL, tRPC.
- **Databases/ORM:** PostgreSQL, MongoDB, NeonDB, Supabase, Prisma, Drizzle.
- **Tools:** Linux, Git/GitHub, AWS EC2, Azure, SES, Firebase, Docker, Postman, Figma, Cloudinary, CI/CD.
- **Testing:** Jest, Unit Testing, Integration Testing, API Testing.
- **Familiar With:** Python, Rust, Golang, React Native.

PROJECT

MergeMe | TypeScript, Node.js, Express.js, PostgreSQL, Drizzle, Razorpay, AWS EC2, Resend [Live] [GitHub]

- Architected a full-stack TypeScript Tinder-style networking platform for developers and corporate professionals, featuring swipe-based matchmaking, real-time Socket.IO chat, and a normalized PostgreSQL + Drizzle ORM schema powering feeds, connection requests, and chat threads with type-safe end-to-end contracts.
- Built 15+ REST auth endpoints secured with access/refresh JWT rotation, Google and GitHub OAuth, Resend email verification, and bcrypt hashing, deployed on AWS EC2 behind Cloudflare (DNS, CDN, DDoS protection, SSL) with a GoDaddy domain.

Quiver | QUIC-Native Distributed Pub/Sub Message Broker | Python, asyncio, aioquic, Ed25519, QUIC/UDP [GitHub]

- Built a distributed publish/subscribe message broker from scratch using the **QUIC protocol** (RFC 9000) over UDP, replacing traditional TCP/WebSocket-based messaging with multiplexed, encrypted streams.
- Designed a zero-trust, certificate-based authentication layer using self-signed Ed25519 identities encoded into X.509 SAN fields, enabling mutual TLS (mTLS) peer verification with no certificate authority, passwords, or shared secrets.
- Built a topic-based message fan-out engine and custom binary wire protocol with double-indexed subscription routing and self-healing dead-peer cleanup, plus a live observability dashboard visualizing peer topology and message throughput.

EDUCATION

Kamla Nehru Institute of Technology

August 2020 - July 2024 | UP, India

Bachelor of Technology in Information Technology | **CGPA: 8.4**