

# Bashar Khan

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## SUMMARY

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Full-stack software engineer with 2+ years building production systems across Web2, Web3, and cloud infrastructure. Specialized in React.js, Next.js, Node.js, Rust, and Solidity. Strong focus on performance optimization, CI/CD automation, and open-source contribution.

## EDUCATION

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### J.K. Institute of Applied Physics and Technology

Bachelor of Technology in Computer Science and Engineering | CGPA: 7.6

Prayagraj, Uttar Pradesh

Aug. 2023 – Present

## TECHNICAL SKILLS

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**Languages:** JavaScript, TypeScript, Rust, Solidity, Java, C, SQL

**Frontend:** React.js, Next.js, React Native, Redux, Tailwind CSS, ShadCN UI, Framer Motion

**Backend:** Node.js, Express.js, MongoDB, Prisma, WebSocket, Redis

**Blockchain:** Solidity, Anchor, Solana Web3, Polygon, IPFS, Foundry, Hardhat

**DevOps & Tools:** Docker, AWS, Git, GitHub Actions, Firebase, Supabase, Nginx

## EXPERIENCE

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### Open Source Contributor

AOSSIE Org

Remote

- Spearheaded local development infrastructure by containerizing React frontend and Go backend; resolved UI issues and shipped SEO, PWA manifest
- Enhanced client UX with toast notification; established comprehensive Go test suite; resolved Wayland cursor operations on Ubuntu; ongoing contributor across multiple repos

### Full Stack Developer

Oct. 2025 – Present

Novastack Solutions

Remote

- Developing Nova Health Care ecosystem (user, provider, admin apps) using React Native and React.js; engineering Novastack Solutions landing page handling 1000+ daily requests and #1 Google ranking for "novastack solutions"
- Designed Odefi, a 95% on-chain decentralized staking platform on BNB Chain; implemented SSR and SEO and built Next.js client with admin panel achieving 5% server dependency

### Full Stack Developer Intern

July 2025 – Sept. 2025

BlockSolutions Labs

Remote

- Led end-to-end frontend architecture for Splosh Web3 application; deployed production infrastructure on AWS (1 server, 2 clients) with CI/CD pipeline and Auto Scaling Groups, achieving 400ms server response time
- Engineered real-time admin dashboard with data visualization; designed and deployed Telegram bot with multi-layer security (contract-level and server-level address blocking)

### Frontend Development Intern

Aug. 2024 – Oct. 2024

E-Cell IIT Bombay

Remote

- Redesigned Campus Ambassador dashboard using React.js and Tailwind CSS, serving 100+ ambassadors across India with improved UX and performance

## PROJECTS

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### Nsh | [link](#)

Jan 2026

**Tech Stack:** Rust, Ratatui, Crossterm, Tokio, LLM SDK

- Designed and implemented nsh, an agentic zsh-inspired terminal shell in Rust; engineered full TUI with smart completions, command history, and multi-provider LLM integration
- Developed extensible agent tool system (web search, file operations, grep, ls) with dynamic model discovery and persistent configuration management

### Churn CLI | [link](#)

June 2025

**Tech Stack:** TypeScript, Bun, Chalk, EJS, GitHub Actions, npm

- Architected enterprise-grade CLI scaffolding tool with 15+ templates, 4 languages, 4 package managers, HTTP/WebSocket, Prisma ORM, EVM contract init (Foundry/Hardhat), TypeScript path aliases
- Designed zero-config project generation engine; automated GitHub Actions CI/CD, deployed to npm registry achieving 100+ weekly downloads and 10,000+ total installs

**Certify.me** | [link](#)

Apr 2026

**Tech Stack:** *Next.js, Solidity, Polygon, Pinata IPFS, shadcn/ui*

- Engineered two-layer NFT certificate verification system: Solidity smart contracts on Polygon for soulbound ERC-721 minting/verification, Next.js app for org onboarding and public verification
- Implemented IPFS metadata storage via Pinata, signature-based bulk minting for gas efficiency, on-chain revocation with immutable audit trail, and QR-code based verification flow

**OpenLabs** | [link](#)

Jan 2026

**Tech Stack:** *Next.js, React.js, Tailwind CSS*

- Designed and deployed landing page and HRMS platform with team onboarding, Google Meet scheduling, blog management, job postings, and task/issue tracking dashboard
- Implemented role-based access control for team members, real-time task status updates, and admin panel for managing team assignments and tracking deliverables

**College Network** | [link](#)

Apr 2026

**Tech Stack:** *Next.js, MongoDB, Redis, Bun WebSocket, Razorpay, Docker*

- Built platform for Indian engineering students with OAuth onboarding, AI-powered college recommendations, real-time chat (Bun WebSocket + Redis pub/sub), and Razorpay payment integration
- Deployed production infrastructure with Docker Compose, Nginx reverse proxy, SSL, GitHub Actions CI/CD; architected multi-service setup with separate Next.js app and WebSocket server

**Solana Launchpad** | [link](#)

May 2025

**Tech Stack:** *Next.js, TypeScript, Anchor, Rust, Solana Web3, Jupiter DEX*

- Built Solana dApp with token creation, NFT studio, presale/ICO with vesting, DEX swap via Jupiter, and staking; architected Anchor smart contracts for launchpad and marketplace

**ACHIEVEMENTS**

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- Top 100 Google Solution Challenge 2024; Smart India Hackathon 2024 & 2025 selection; 2nd place CodeBlock hackathon (50k INR prize); Top 300 Builders Community
- Founded OpenLabs (200+ member open source community); Campus Ambassador E-Cell IIT Bombay (100+ members, 10+ events); GDG Technical Lead (20+ webinars, 500+ students); completed 15+ global freelance projects