

Ayush

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 1.2+ years of experience building scalable web and mobile applications using React Native, Next.js, React.js, Node.js, and TypeScript. Experienced in developing REST APIs, real-time systems, AI-powered applications, and database-driven platforms, with a proven track record of shipping production software used by 1,300+ users.

EDUCATION

Bachelor of Technology in Artificial Intelligence & Machine Learning

CGPA: 8.17

Chandigarh Engineering College, Mohali

2022 - 2026

Relevant Coursework: Machine Learning, Data Structures and Algorithms, Operating Systems, Computer Networks, Database Management Systems, Web Development

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C++, SQL

Frontend: React.js, Next.js, React Native, HTML5, CSS3, Tailwind CSS, Framer Motion, Responsive Design

Backend & Web: Node.js, Express.js, FastAPI, REST APIs, GraphQL, WebSockets, Authentication, Authorization

Databases: PostgreSQL, MongoDB, Redis, Prisma ORM, Qdrant

AI & Machine Learning: LangChain, OpenAI API, RAG, NLP, Embeddings, Vector Databases, LLM Evaluation

Cloud & DevOps: AWS, Docker, Kubernetes, CI/CD, Linux

Tools & Platforms: Git, GitHub, Postman, Figma

EXPERIENCE

Full Stack Software Engineer

Jan 2026 - Present

SinghCoin LTD

Remote, UK

Project: SLAY (Social Media & Creator Platform) iOS | Android

- Launched SLAY, a cross-platform social media and creator platform using React Native, serving 1,300+ active users across iOS and Android.
- Architected a real-time messaging system using WebSockets, enabling low latency bidirectional communication between users.
- Integrated 60+ REST APIs with React Native, Node.js, Express.js, and MongoDB, ensuring reliable data exchange and scalable backend connectivity.
- Resolved 50+ production issues while optimizing UI rendering and animations, significantly improving application stability, responsiveness, and overall user experience.

Web Developer

Feb 2025 - May 2025

Gane Solutions

Remote

Project: Web3 Gaming Account Marketplace

- Enhanced a full-stack Web3 marketplace for gaming account trading using Next.js, React, TypeScript, Express.js, and MongoDB, enabling secure peer to peer transactions and decentralized ownership verification.
- Integrated blockchain smart contracts with Ethers.js to support wallet connectivity, on-chain transaction processing, and seamless Web3 user experiences.
- Built responsive, SEO-friendly interfaces with Next.js and Tailwind CSS, while designing 40+ REST API endpoints for listings, transactions, authentication, and third-party service integrations.

PROJECTS

CheckMate - (Real-Time Multiplayer Chess Platform with Live Video Chat)

[Live Demo](#) | [GitHub](#)

Tech Stack: Next.js, Node.js, Express.js, TypeScript, WebSockets, WebRTC, PostgreSQL

- Developed a real-time multiplayer chess platform supporting random matchmaking, live gameplay, and synchronized game state across concurrent sessions.
- Integrated WebRTC-based live video calling alongside WebSocket synchronization, enabling real-time multiplayer interaction with minimal latency.
- Architected scalable backend services using Node.js, Express.js, and PostgreSQL to handle game logic, session management, and data persistence.
- Delivered the platform end-to-end with Next.js and TypeScript, ensuring type-safe, maintainable code across frontend and backend.

DocuMind AI - (RAG-Powered Document Intelligence Platform)

[GitHub](#)

Tech Stack: Next.js, Node.js, Express.js, TypeScript, LangChain, OpenAI, Qdrant, BullMQ

- Built a full-stack AI-powered platform enabling natural language querying of PDF documents up to 100+ pages using a RAG (Retrieval-Augmented Generation) architecture.
- Implemented a RAG pipeline using LangChain and OpenAI to deliver accurate, context-aware responses by retrieving semantically relevant document chunks at query time.
- Integrated Qdrant as the vector database for storing and querying high-dimensional document embeddings, enabling fast and accurate semantic search across large documents.
- Developed asynchronous document ingestion pipelines using BullMQ, enabling background job processing for PDF parsing, chunking, and embedding generation without blocking the main thread.
- Architected backend APIs with Node.js and Express.js to support end-to-end document processing, vector retrieval, and real-time conversational AI workflows.

LEADERSHIP & ACHIEVEMENTS

- **Tech Lead, D4 Community (2023–2025)** - Led a 12 member web development team, conducted code reviews, and mentored contributors.
- **Team Lead, GFG Student Chapter (2024–2025)** - Managed a 6 member technical team and organized coding workshops and events.
- Organized 3+ hackathons and technical events for over 500 participants.
- Recognized as an active open-source contributor during **Hacktoberfest** and awarded a tree-planting [certificate](#).