
Muhammad Wahib

<https://www.wahib.tech/>

muhhammadwahib001@gmail.com | 03154545055

LinkedIn: <https://www.linkedin.com/in/muhammad-wahib-85a836227>

Motivated Software Engineering student with hands-on experience in full-stack development and building scalable web applications. Skilled in modern JavaScript frameworks, backend development, and API integration. Passionate about solving real-world problems through clean, efficient code and continuously improving technical and problem-solving skills in a collaborative engineering environment.

Professional Experience

Nexus Berry

05/2025 - 09/2025

Full Stack Developer

- WaqarLaw: Engineered a scalable lawyer-client booking platform using Next.js and PayloadCMS, implementing dynamic routing, CMS-driven content management, and consultation workflow automation to support efficient client interactions.
- Innovate Consults: Designed and implemented a consulting services web platform using Next.js 15 and Cloudinary, developing dynamic form handling, content management modules, and a modular architecture to ensure scalability and maintainability.
- Bazaar Pro Admin Panel: Architected and developed an e-commerce administration system using Next.js, PayloadCMS, Supabase, and TypeScript, enabling drag-and-drop homepage configuration and robust CMS-based product and content management.

Freelance

09/2025 - 02/2026

Frontend Engineer

- Engineered a scalable browser-based design editor with multi-page canvas architecture using React, TypeScript, and Fabric.js.
- Designed and implemented an advanced drawing system supporting line creation, resizing, rotation, snapping, and consistent style management.
- Architected a frame-based image rendering system with automatic object-fit scaling (cover/contain) for responsive design layouts.
- Developed real-time frame detection algorithms enabling intelligent drag-and-drop image placement within dynamic frames.
- Implemented SVG parsing and rasterization pipelines to ensure accurate canvas rendering and export compatibility.
- Built a high-performance export engine supporting multiple formats (PNG, JPG, PDF, SVG, ZIP) with optimized image quality.
- Improved rendering performance by optimizing canvas object management, grouping strategies, and efficient render cycles.

Education

COMSATS University Islamabad, Lahore Campus

09/2022 - 06/2026

BS Software Engineering - 3.04

- BS Software Engineering (8th Semester – In Progress). Pursuing a Bachelor's degree in Software Engineering with strong academic exposure to core software engineering principles and modern development practices. Coursework includes Object-Oriented Programming in Java, Data Structures & Algorithms in C++, Software Design & Architecture, Software Requirements Engineering, Software

Quality Assurance, Software Reengineering, Database Management Systems, DevOps with Cloud Management (Azure), and AI-assisted Software Development, providing a solid foundation in building scalable, reliable, and maintainable software systems.

Projects

Libera - A Decentralized Social Media Protocol

09/2025 - 03/2026

- Engineered and deployed LiberaV2.sol on Ethereum Sepolia using Hardhat, implementing on-chain identity registration, content publishing, social graph management, and reputation scoring with a keccak256-based PID system linking all actions to wallet-verified identities.
- Developed a gasless transaction relay in Node.js using BullMQ and Redis, enabling sponsored transactions through a funded hot wallet with atomic Redis nonce allocation for concurrency-safe transaction processing and PID integrity validation to prevent identity spoofing.
- Integrated wagmi and viem for fully typed smart contract interactions using the complete LiberaV2 ABI, separating read operations from relay-driven write execution for improved security and architecture clarity.
- Implemented dual authentication with NextAuth, Google OAuth, and MetaMask, generating deterministic HKDF-derived wallets server-side for OAuth users to maintain persistent on-chain identities across devices without storing private keys.
- Integrated XMTP-based end-to-end encrypted messaging with an auth-aware signer abstraction supporting both MetaMask wallets and HKDF-derived wallets, ensuring stable decentralized messaging identities for all authentication methods.

Key Skills

- Java || C++ || JavaScript (ES6+) || TypeScript || Object-Oriented Programming (OOP) || Data Structures & Algorithms || Software Design Patterns || SOLID Principles || Clean Code Practices || Scalable System Design || Software Architecture Fundamentals || RESTful API Design || Microservices Architecture || Containerization || Docker || Kubernetes || Cloud Computing (Microsoft Azure) || CI/CD Pipeline (GitHub Actions) || Database Design || Database Management Systems || MongoDB || PostgreSQL || Supabase || Performance Optimization || Rendering Optimization || Debugging & Problem Solving || Scalable Frontend Architecture || Canvas Rendering Systems || Git || GitHub || Agile Development || DevOps Practices || Deployment (Vercel / Netlify) || AI-Assisted Development || Workflow Optimization || Ethereum || Hardhat || viem || wagmi || ethers.js || XMTP || IPFS || Pinata || Solidity || EVM || Layer-2 || Sepolia