

TOUHEED HUSSAIN

Full Stack Developer | MERN | Next.js | Odoo 18/19

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SUMMARY

Full Stack Developer with hands-on production experience in MERN-stack applications and custom Odoo 18/19 ERP modules. Specialized in REST API design (20+ endpoints), AES-256 encrypted document workflows, QWeb PDF generation, and animated React/Next.js frontends with Tailwind CSS. Delivered real-world systems including an enterprise vehicle registration platform and a RAG-based bilingual Q&A assistant.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), Python, HTML5, CSS3, SQL, XML (QWeb)

Frontend: React.js, Next.js (App Router), Vite, Tailwind CSS, Framer Motion, Redux

Backend: Node.js, Express.js, Odoo 18/19 ORM, JWT Authentication

Databases: MongoDB, PostgreSQL, Prisma ORM

Cloud & Tools: AWS EC2, Git, GitHub, QZ Tray, AES-256/RSA Encryption, QR Code Generation, QWeb PDF Reporting

PROFESSIONAL EXPERIENCE

Full Stack Developer | [ByteScripterz, Lahore](#)

December 2025 – Present

Vehicle Registration & Document Management System *Python · Odoo 18 · PostgreSQL · QWeb · REST API*

- Built custom Odoo 18 module for DRC vehicle registration authority with 20+ REST API endpoints (CHP, MUT, PSC, MAE and more) with full idempotency and JWT authentication.
- Implemented AES-256 encrypted QR codes with dual chassis number support (DGI/DGDA) and priority logic across API, QR, and PDF layers.
- Generated License Plate and Carte Rose PDFs via QWeb templates with direct printing through QZ Tray integration and a full audit trail system for record changes.

HHH Design Studio — Portfolio Website *React · Vite · Tailwind CSS · Framer Motion*

- Designed premium dark-luxury architecture portfolio with Framer Motion page transitions, AnimatePresence modals, and staggered bento-grid card reveals.
- Built dynamic blog system with REST API integration and TTL-based caching, plus keyboard-navigable lightbox gallery with full mobile/iOS Safari responsiveness.

KEY PROJECTS

M-Collection — E-commerce Platform *MERN · JWT · Express.js · MongoDB*

- Built full-stack e-commerce platform with role-based JWT authentication separating admin and customer access.
- Developed REST APIs for catalog, cart, and order workflows with analytics dashboard for order and product management.
- Implemented secure storefront with product filtering, cart persistence, and admin panel for full CRUD operations.

LLM Interview Assistant *Next.js · RAG · Pinecone · OpenAI*

- Built RAG-based Q&A platform using Pinecone vector search to deliver context-aware, knowledge-grounded interview answers.
- Engineered embedding and retrieval pipeline with custom knowledge base — responses grounded in source documents, not hallucinated.
- Added bilingual support for English and Roman Urdu queries, making the tool accessible to Urdu-speaking developers.

EDUCATION

Bachelor of Computer Science | Superior University, Lahore

2021 – 2025