Abdullah Shakur

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🔗 *Linkedin* • 🔗 *Github* •

EDUCATION

Institute of Management Sciences   Peshawar, Pakistan
Bachelors in Software Engineering;

WORK AND RESEARCH EXPERIENCE

Software Engineer   *Pakistan - Onsite*
Enchant   *2024 - Current*

- Integrated **UFH10E RFID Reader with ESP32 (Wi-Fi enabled)** to build an automated vehicle checkpoint system for a truck yard, logging vehicle data to a central database for **fuel monitoring and theft detection**
- **Integrated TikTok Marketing** APIs for **ad management** in an e-commerce platform, enabling automated control over **campaign creation, ad group management, creative uploads, and real-time performance tracking**
- **Developed a university matching platform** for **YB Consultants Peshawar** to assist students in finding suitable international universities.
- Students input key details like **CGPA**, **education background**, **language preference**, **target country**, and **desired department**.
- The system provides **personalized university recommendations** based on criteria. Includes **application submission** and **real-time tracking** features for foreign admission processes.
- Focused on **backend architecture**, database design, and secure API development. **Built a React Native mobile app** integrated with **OpenAI models** to answer user queries related to **consumer laws** and legal concerns.
- Users could ask natural-language questions and receive AI-generated legal guidance. Designed for accessibility and ease-of-use, providing instant information to users unfamiliar with legal jargon.
- Worked on both frontend and backend, ensuring smooth **AI integration**, **real-time responses**, and **data security**.
- **Set up Linux-based EC2 server and configured NGINX as a manual load balancer** to distribute traffic across multiple Node.js instances
- Used **AWS Lambda** to trigger real-time alerts on server crashes.

FullStack Developer   *Pakistan - Remote*
Pixtrum Agency   *2023 - 2024*

- Built and launched a SaaS-based Order Management platform designed to streamline the order lifecycle for businesses, featuring real-time updates, automated status tracking, and seamless courier integrations.
- Developed the full-stack system using Next.js, Tailwind CSS, Node.js, and MongoDB.
- Implemented secure authentication and role-based access control using NextAuth.
- Designed a responsive and intuitive UI for a smooth experience across all devices.
- Integrated with multiple courier APIs to automate order tracking and delivery notifications.
- Set up an hourly cron job to sync order statuses with third-party APIs.
- Used AWS Lambda to trigger real-time alerts on server crashes.
- Wrote automated end-to-end tests with Puppeteer and Selenium to ensure platform stability.

- Developed a comprehensive employee management module for handling roles, permissions, and activity logs.
- Used Postman for API testing, monitoring, and performance validation.
- Containerized the application using Docker for consistent development, deployment, and scalability across environments.

Web Engineer | Backend Developer *Pakistan, Peshawar*
Veevo Tech, Peshawar *2022-2023*
- Underwent training in Business Development and Software Development processes at Veevo Tech.
- Contributed to full-stack development using **Node.js**, **Express.js**, **EJS**, and **Bootstrap**.
- Collaborated on major in-house products like **Empleado (HR Management System)** and **Query Q**.
- Developed a **School Management System** with dedicated portals for Teachers, Students, and Admins.
- Used **EJS templating**, **Express.js** for backend logic, and **Bootstrap/CSS** for UI.
- Focused on scalability with efficient use of load balancers for high-traffic handling.
- Implemented **Stripe** for handling secure online payments and subscriptions.
- Worked with **cron jobs** and **AWS Lambda** to schedule and send **automated marketing emails**.
- Designed and built a **Custom Apparel Builder**:
- Supported multiple product types (T-shirt, Hoodie, Sweatpants, etc.).
- Guided users through 9-stage customization: Fit, Fabric, Color, Care Label, Neck Label, Print, Quantity, Packaging.
- Delivered **real-time visual feedback and updates** during the design process for a smooth UX.
- Built **Lane View Driving School** web app using **Next.js** and **Express.js**:
- Enabled online course booking with both manual and **Stripe-integrated payments**.
- Offered both **Intensive and Hourly Driving Courses**.
- Built an **Admin Portal** for managing and tracking registrations.
- Deployed the application on **DigitalOcean**, with scheduled tasks using **AWS Lambda** for weekly emails.
- Developed a **Spam Email Classifier** using **SVM with Gaussian Kernels**:
- Tuned with **cross-validation** to minimize false positives in spam detection.

PROJECTS

PARVENETTA 2D REAL TIME CLOTHING DESIGN APP
Bespoke Clothing Platform
Role: Full-Stack Developer
Tech: Next.js, Node.js, MongoDB, Tailwind CSS, Stripe
Description:
Built a bespoke t-shirt and hoodie design platform with fit selection, fabric choices, and file-based custom requests. Implemented user auth (NextAuth), dynamic measurement profiles, and Stripe for secure checkout. Used MongoDB, Next.js, and Tailwind to deliver a seamless design-to-order experience.
Link: Private Repository • Live Demo

ORTHORIC BACHA KHAN UNIVERSITY OF DENTISTRY
Health Care Platform
Role: Full-Stack Developer
Tech: Node.js, Express, MongoDB, EJS, Bootstrap
Description:
Developed a healthcare management platform for clinics, featuring secure user authentication,

appointment scheduling, and patient detail management. Integrated role-based access for supervisors, TMOs, and receptionists. Utilized MongoDB for robust data storage and EJS with Bootstrap for responsive, user-friendly interfaces.
Link: [Private Repository](#) • [Live Demo](#)

ENCHANT COURIER MANAGEMENT SYSTEM
ECommerce Solution
Role: Full-Stack Developer
Tech: Node.js, Express, MongoDB, EJS, Bootstrap
Description:
Developed a courier management system with secure authentication, order tracking, and employee management. Implemented role-based access for admins and couriers, plus real-time notifications and automated order processing using **CRON JOBS** with third party apis of **trax, postex, daewoo** Utilized MongoDB for scalable data storage and EJS with Bootstrap for responsive, user-friendly interfaces. Enabled efficient logging, dashboard analytics, and streamlined courier operations.
Link: [GitHub](#) • [Live Demo](#)

Certifications

Udemy – ***Build a Backend REST API with Express.js and React (Advanced)*** YouTube – ***GitHub CI/CD and Deployment*** **Udemy** / **Zero to Mastery** – ***Complete MERN Stack Developer (2022)***
The Complete SQL Bootcamp: Go from Zero to Mastery Cisco Networking Academy – ***CyberOps Associate Certification*** Cisco Networking Academy – ***IT Essentials & Operating Systems Course***

Extracurricular Certifications

IMOlympiad: **Co-Director & Best Director Award**, Veevotech: **3 Months Internship Completion (Web Development)**, Business Fest: **IT Team Lead Participation Certificate**, IMHackathon: **Vice President & Workshop Instructor Certificate, IT Team Lead Business Fest**, Developed the B'fest 2024 Web App, **Vice President in IMHackathon**, **Lead Team IT as Co-Director of IMOlympiad**, Handled Website Development, Student Registrations, and Data for the Event

Skills and Achievements

Programming Languages And Frameworks: Node.js, PHP, HTML, CSS, React.js, Express.js, Nest, Next.js, Bootstrap, Git, GitHub, Postman, MongoDB, SQL & ORMs, DigitalOcean, Heroku, Vercel, AWS (Lambda, S3), OpenAI,, Vercel Blob