Hammad Wasi

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EDUCATION

UNIVERSITY OF MANAGEMENT & TECHNOLOGY (UMT)

BACHELOR OF COMPUTER SCIENCE
GPA: 4.0 | Lahore, PK | Oct 2017 – Oct 2021

LINKS

LinkedIn:// **wasi-codes**
Github:// **H-Was1**

COURSEWORK

Technical skills in web and mobile development, including JavaScript, React, Node.js, and IoT applications. Completed courses in: React Native (Meta), Full-Stack JavaScript (IBM), Introduction to AI/ML (IBM), Cyber Threat Management (Cisco) & Rust Specialisation (Duke University).

IBM:

1. Earned a badge for Cloud Computing certification.

2. Achieved a badge for Emerging Tech Exploration.

Cisco:

1. Achieved certification in Cyber Threat Management.

SKILLS

FRONTEND

Advanced in TypeScript, HTML, CSS; Proficient in React, Next.js, Tailwind CSS, Framer Motion, Vue.js, Tauri.

BACKEND

Proficient in Node.js, Bun, TypeScript/JavaScript, Rust, Express, Elysia, REST, MongoDB, PostgreSQL, SQLite, Drizzle ORM, Prisma, SSL and NginX.

CLOUD & SERVER

Linux, Cloud & Web Services (AWS, Cloudflare, Digital Ocean, Oracle), Git/Github, Puppeteer, Docker.

MOBILE

React Native, Expo Framework, Appwrite, Nativewind, Firebase, Supabase.

OVERVIEW

Results-driven Full Stack Developer (MERN, T3, Tanstack) with a strong background in designing and delivering scalable web and cross-platform applications. Skilled in leveraging Docker for efficient containerization and deployment. Experienced in developing robust APIs, optimizing application performance, and integrating emerging technologies to enhance user experience. Recognized for strong problem-solving abilities, attention to detail, and a commitment to innovative, high-quality solutions.

EXPERIENCE

TECH INNOVATIONS | INTERN SOFTWARE DEVELOPER (MERN)

Jan 2021 – Feb 2022 | Lahore, PK

- Collaborated with the development team to design and implement features for a mobile application using React Native.
- Improved application performance by 10% through effective debugging and troubleshooting (MongoDB, Node, Express).
- Enhanced team communication and efficiency by actively participating in project planning sessions.

ROSENHEIM TECHNOLOGIES | FULL STACK WEB DEVELOPER (MERN)

Feb 2022 – Aug 2023 | London, UK

- Developed a barber booking application and a CMS for staff management using Node.js, Next.js (React.js), and TypeScript.
- Improved UI/UX design, resulting in a 15% increase in user satisfaction.
- Mentored junior developers and conducted code reviews to foster a collaborative environment.

DIGITAL UPGRADERS | FULL STACK WEB DEVELOPER (MERN)

Sep 2023 – March 2025 | Dubai, UAE

- Engineered high-performance APIs with Node.js and Express.js, optimizing performance and reducing costs by 15%.
- Delivered scalable architecture capable of handling over 10,000 requests per second.
- Led the development of a custom CMS, enhancing user experience by 20
- Contributed to an e-commerce platform and a comprehensive School Management System with diverse functionalities.

SOFT SKILLS

- **Strong communicator:** Effectively conveys ideas and collaborates with team members.
- **Effective problem solver:** Analyzes challenges to develop innovative solutions while optimizing performance.
- **Attention to detail:** Ensures high-quality deliverables through thorough testing and review processes.
- **Adaptable to change:** Thrives in dynamic environments and adjusts quickly.
- **Excellent time management:** Prioritizes tasks effectively to meet deadlines.
- **Leadership capabilities:** Guides teams towards achieving common goals through creativity and innovation.

PERSONAL PROJECTS

REAL-TIME MESSENGER CLONE | Next.js · Pusher · PostgreSQL · Prisma · MongoDB
- Engineered real-time messaging with Pusher channels achieving 450ms message delivery
- Implemented hybrid database architecture handling 10k+ concurrent users
- Developed message synchronization across devices with 99.8% reliability
- View on GitHub

HEADLESS CMS WITH WEBSOCKETS | Next.js · React Hook Form · WebSockets · PostgreSQL
- Created modular CMS supporting 15+ content types with dynamic form builder
- Implemented real-time collaboration using Socket.io with 500ms update latency
- Developed version control system with rollback capabilities
- View on GitHub

HIGH-PERFORMANCE E-COMMERCE PLATFORM | Next.js · SSR/SSG · PPR · Tailwind · Prisma
- Built performant store with hybrid rendering achieving 95 Lighthouse score
- Implemented Partial Prerendering (PPR) for dynamic product pages
- Integrated with CMS API handling 5k+ products and 10k RPM
- View on GitHub

PRICE TRACKING WEB SCRAPER | Puppeteer · MongoDB · Cron · Next.js
- Developed distributed scraping system handling 1M+ product URLs
- Implemented price drop detection with 98% accuracy using moving averages
- View on GitHub

LEARNING MANAGEMENT SYSTEM (LMS) | Next.js · Prisma · PostgreSQL · Tailwind
- Built course platform supporting SCORM content and progress tracking
- Implemented AI-powered recommendations using course analytics
- Developed granular permissions system for 10+ user roles
- View on GitHub

CROSS-PLATFORM BATTERY ANALYTICS | Tauri · Rust · Elysia · Bun · WebSockets · Typescript · React
- Created Desktop app monitoring device power usage in real-time
- Implemented battery health predictions with 92% accuracy
- Reduced native binary size to 8MB through Rust optimizations
- Implemented Drizzle ORM + postgreSQL to achieve industry standards
- The next version will contain saas integration
- View on GitHub

DIGITAL LIBRARY DOWNLOADER | Electron · React · Puppeteer · Javascript
- Created Desktop app that scrapes and downloads books from 3rd party web despite anti-bot strategies
- Engineered bulk download system for archival content with resume capability
- Implemented PDF generation with custom metadata and watermarks
- Optimized download speeds by 40% through concurrent processing
- View on GitHub

ANIMATED PORTFOLIO SITE | Next.js · Framer Motion · Tailwind
- Developed a fully responsive, multi-page portfolio with smooth page transitions and dynamic on-scroll animations using Framer Motion and Tailwind CSS
- Engineered optimized image handling and font loading via Next.js for fast performance and near-perfect Lighthouse scores
- Integrated dark mode, custom SVG graphics, and expandable interactive project cards to enhance user engagement
- Ensured accessibility and mobile-first design, achieving full WCAG 2.1 compliance and seamless experience across devices
- View on GitHub