

MUHAMMAD OSAMA QASEEM

Full Stack Developer

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Summary

Full-Stack Software Engineer with 4+ years of experience building scalable web, mobile, and blockchain applications. Specialized in React, TypeScript, and Flutter development with expertise in modern frontend frameworks, backend APIs, cross-platform mobile development, and Web3 technologies. I've built 15+ production applications across web, mobile, desktop, and blockchain platforms, including enterprise-level ERP systems, e-commerce platforms, AI-powered Discord bots, and Web3 projects with crypto exchanges and blockchain games. My experience spans from developing comprehensive Point of Sale systems and loyalty management applications to creating interactive 3D gaming websites and contributing to cutting-edge blockchain technologies. I excel in building scalable architectures, implementing real-time features, and delivering user-centric experiences that drive business value. Passionate about leveraging modern technologies like React 18, Next.js 14, ASP.NET Core, Flutter, and Web3.js to solve complex problems and create innovative solutions. Open to Senior Software Engineer, Full-Stack Developer, and Technical Lead opportunities where I can contribute to building impactful applications and grow alongside talented teams.

Education

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|--|-------------|
| Hajvery University Lahore | 2021 - 2024 |
| Bachelor of Science (BS) in Computer Science | |
| KIMS | 2018 - 2020 |
| A-levels | |
| Bloomfield Hall | 2016 - 2018 |
| O-levels | |

Experience

| | |
|---|--------------------------------------|
| Voxity | Dubai, United Arab Emirates (Remote) |
| Full-stack Developer | 08/2024 - Present |
| At Voxity, I contributed as a Full Stack Developer to multiple Web3 projects including admin dashboards, token exchange platforms, and websites for blockchain-based games. My work focused on building scalable, secure, and interactive interfaces that integrate with smart contracts and token economies on various blockchains. | |
| Technologies: React.js, Next.js, Tailwind CSS, Node.js, Express.js, MongoDB, Firebase, REST APIs, WebSockets, Ethers.js, Web3.js, MetaMask, WalletConnect, Chart.js, Recharts, Git, Vercel, Docker | |
| <ul style="list-style-type: none">Developed admin dashboards for Solana-based crypto token exchanges with interactive charts and performance visualization.Built responsive websites for blockchain games with token gating and wallet integrations (MetaMask, WalletConnect).Implemented dynamic leaderboards and user profiles reflecting on-chain activities.Created minting portals for NFTs and managed token reward distributions.Optimized frontend performance with React.js, Next.js, and Tailwind CSS.Integrated smart contracts and enabled token-based gameplay mechanics.Collaborated with designers and backend teams for seamless integration. | |

Experience

Quest Enterprises Pakistan

Lahore, Pakistan

Lead Software Engineer

10/2023 - 06/2024

As a Senior Software Developer, I lead the end-to-end development and DevOps lifecycle of ERP systems and business modules. I work across the full stack, designing scalable architectures and secure APIs, while ensuring high system performance through automated deployments and containerized environments. I've architected and developed modules like CRM, HRM, Inventory, Procurement, and Finance using ASP.NET Core, React.js, and TypeScript, with an emphasis on clean modular design, RBAC implementation, and reusable UI components. I collaborate closely with stakeholders to gather requirements, translate business logic into technical flows, and guide junior developers through code reviews and mentoring. On the DevOps side, I've implemented CI/CD pipelines using GitHub Actions, and deployed services via Docker for consistent environments across development, staging, and production. I also monitor performance using Prometheus/Grafana, manage backups, and optimize database performance for SQL Server and MongoDB.

Technologies: React.js, Vue.js, TypeScript, Tailwind CSS, ASP.NET Core, C#, REST APIs, SQL Server, MongoDB, Docker, GitHub Actions, Prometheus, Grafana, Postman, Visual Studio, Agile/Scrum

- Led end-to-end development and DevOps lifecycle of ERP systems and business modules
- Designed scalable architectures and secure APIs for enterprise applications
- Developed modules: CRM, HRM, Inventory, Procurement, Finance using ASP.NET Core and React.js
- Implemented RBAC, multi-tenant support, and reusable UI components
- Managed CI/CD pipelines using GitHub Actions and Docker deployment
- Monitored performance using Prometheus/Grafana
- Mentored junior developers and conducted code reviews
- Collaborated with stakeholders to gather requirements and translate business logic
- Led migration of legacy ERP modules to a modern stack.
- Reduced deployment time by 90% with automated CI/CD.
- Ensured 99.9% uptime through containerized deployment and monitoring.
- Implemented scalable RBAC and multi-tenant support.

Quest Enterprises Pakistan

Lahore, Pakistan

Full Stack Developer

01/2023 - 10/2023

Promoted to Associate Software Developer, I moved into a full-stack role where I led the design and development of enterprise-grade ERP applications and their underlying modules. I contributed to system architecture, backend API design, and full module lifecycles – from concept to deployment.

Technologies: React.js, Vue.js, TypeScript, Tailwind CSS, ASP.NET Core, C#, SQL Server, MongoDB, REST API, Git, GitHub, Postman, Visual Studio, Agile (Scrum)

- Designed and implemented complete ERP modules including CRM, Project Management, Procurement, and Reporting Dashboards.
- Developed secure and scalable RESTful APIs using ASP.NET Core.
- Integrated SQL Server and MongoDB databases for optimal performance.
- Introduced modular architecture and reusable UI components.
- Implemented role-based access control (RBAC), custom permissions, and multi-tenant support.
- Collaborated with QA for unit testing and integration testing.
- Utilized Git, GitHub/GitLab, and CI/CD pipelines for streamlined development workflows.
- Actively participated in code reviews, architectural discussions, and mentoring junior developers.
- Reduced frontend development time by 30% through UI component reuse.
- Increased ERP system performance by optimizing database queries and reducing API payloads.
- Improved user satisfaction by delivering intuitive and consistent user experiences across modules.

Quest Enterprises Pakistan

Lahore, Pakistan

Junior Software Engineer

09/2021 - 12/2022

As a Junior Software Developer, I was responsible for building and enhancing the frontend of ERP modules using modern JavaScript frameworks such as Vue.js and React.js. I worked within a cross-functional team to design scalable, reusable UI components and deliver intuitive interfaces for complex enterprise workflows.

Technologies: Vue.js, React.js, Tailwind CSS, JavaScript (ES6+), HTML5, CSS3, Axios, Git, REST API

- Collaborated with senior developers and UI/UX designers to create responsive, component-based frontends for ERP modules.
- Consumed RESTful APIs and implemented efficient data binding, state management (Vuex/Redux), and form validation techniques.
- Focused on pixel-perfect UI design using Tailwind CSS, ensuring mobile and cross-browser compatibility.
- Maintained clean, well-documented code following Agile/Scrum practices and version control using Git.
- Participated in daily stand-ups, sprint planning, and peer code reviews.

Experience

Tech Qode Private Limited

Associate Software Developer

Lahore, Pakistan

06/2020 - 08/2021

Contributed to the full-stack development of a Retail Management System designed to streamline sales, inventory, customer, and supplier management for retail businesses, implementing modern architectural patterns for maintainability and scalability.

Technologies: Vue.js, ASP.NET Core, Command Query Repository System, SQL Server, REST APIs, C#, Git, Agile (Scrum)

- Developed responsive and user-friendly frontend components using Vue.js.
- Designed and implemented backend APIs with ASP.NET Core Web API.
- Utilized Command Query Repository System to clearly separate data modification from data retrieval.
- Modeled and optimized SQL Server databases for efficient data access and integrity.
- Implemented role-based access control (RBAC) to ensure secure user access and permissions.
- Collaborated with product managers and QA teams to gather requirements, test features, and deliver reliable solutions.
- Participated in code reviews, debugging, and CI/CD processes following Agile methodologies.

Skills

Frontend:

React · Next.js · Vue.js · TypeScript · JavaScript · HTML · CSS · Tailwind CSS · Material UI · Bootstrap · Styled Components · Framer Motion · Redux · React Query · Three.js · Responsive Design · Progressive Web Apps · Component Architecture · State Management · UI/UX Design · Cross-browser Compatibility · Performance Optimization · Code Splitting · Lazy Loading · Animation Libraries · Form Handling · Validation · Accessibility · SEO Optimization

Backend:

Node.js · Express.js · NestJS · ASP.NET Core · Python · C# · GraphQL · REST APIs · JWT Authentication · Session Management · File Upload · Multer · Cron Jobs · Background Tasks · API Documentation · Swagger · Error Handling · Middleware · Dependency Injection · Clean Architecture · Microservices · Service-oriented Architecture · Rate Limiting · Caching · Security Implementation · Input Validation · Data Processing

Database:

MongoDB · SQL Server · SQLite · MySQL · Entity Framework Core · Mongoose · Dapper · Database Design · Query Optimization · Stored Procedures · Database Migrations · Data Modeling · Indexing · Transaction Management · Backup and Recovery · Data Validation · Aggregation Pipelines · Relational Database Design · NoSQL Database Design · Database Security · Performance Tuning · Data Synchronization

Devops:

Docker · AWS · Git · GitHub · CI/CD · Cloud Deployment · Containerization · Kubernetes · Infrastructure as Code · Automated Testing · Build Automation · Deployment Pipelines · Environment Management · Monitoring · Logging · Performance Monitoring · Security Scanning · Backup Strategies · Disaster Recovery · Cloud Services · Server Management · Configuration Management · Version Control · Branching Strategies

Soft Skills:

Team Collaboration · Cross-functional Communication · Technical Documentation · Client Communication · Debugging · Root Cause Analysis · Complex Problem Solving · Analytical Thinking · Project Ownership · Code Review · Mentoring · Technical Leadership · Learning New Technologies · Fast-paced Environment · Remote Work · Agile Methodologies · Requirements Analysis · Stakeholder Management · Business Logic Implementation · User Experience Focus · Problem Solving · Critical Thinking · Time Management · Adaptability · Innovation · Continuous Learning

Tools:

VS Code · Visual Studio · Android Studio · Postman · Swagger · Git · GitHub · GitLab · phpMyAdmin · SQL Server Management Studio · MongoDB Compass · Figma · Canva · Jira · Trello · Asana · Slack · Discord · Jest · Browser Developer Tools · Docker Desktop · AWS Console · Chrome DevTools · Firebase Console · Vercel · Netlify

Projects

Wings Impex

wingsimpex.com

Food Company - E-commerce & Admin Management System

- Built complete e-commerce platform with customer website (Next.js) and admin dashboard (React)
- Integrated payment processing, inventory management, and comprehensive analytics
- Implemented product catalog, shopping cart, checkout process, and order tracking
- Created admin panel with analytics, order management, and inventory control
- Integrated Stripe API for secure online payments and order processing

Payday Website

paydayexpress.ca

Payday Website - Financial Services Platform

- Developed professional financial services website with loan calculator and application forms
- Implemented multi-step application process with validation and progress tracking
- Created interactive loan calculator with real-time rate updates and dynamic form validation
- Built responsive design with professional financial services UI/UX and trust-building elements
- Integrated contact forms with email integration and business services showcase

Arena SOL

arenasol.fun

Arena SOL - Gaming Platform Website

- Built gaming platform with 3D elements using Three.js and interactive components
- Implemented tournament system, leaderboards, and community features
- Created 3D character models and gaming environments with WebGL optimization
- Integrated interactive gaming elements, power-up features, and video integration
- Built responsive 3D elements for different screen sizes with performance optimization

Punjab AC

punjabac.com

Punjab AC - Content Management System

- Created CMS with admin dashboard and public website for content management
- Implemented rich text editor, media management, and SEO optimization
- Built comprehensive admin panel with content management and analytics
- Created public website with Next.js 14 App Router and SEO optimization
- Implemented content scheduling, version control, and bulk operations

Hypelet

hypelet.pro

Hypelet - Influencer Marketing Platform

- Created modern influencer marketing website with animated components and QR code generation
- Implemented dark theme design, smooth animations, and interactive user experience
- Built animated components using Framer Motion with scroll-triggered animations
- Integrated dynamic QR code generation for influencer profiles with custom styling
- Implemented Redux Toolkit for centralized state management and API integration

Taxi Application Platform

Full-Stack Transportation System

- Developed comprehensive taxi booking and management platform with real-time tracking and secure payments.
- Built React 18 frontend with TypeScript, Ant Design components, and Tailwind CSS for responsive design.
- Implemented real-time tracking system using Google Maps API and React Google Maps integration.
- Created secure payment processing with Stripe and PayPal integration for multiple payment methods.
- Built comprehensive admin dashboard with user management, revenue tracking, and driver verification.
- Developed driver app with live order notifications, route optimization, and earnings dashboard.
- Implemented JWT authentication, data encryption, and comprehensive security features.

Projects

Car Maintenance Tracker

Car Maintenance Tracker - Full-Stack Mobile & Web Application

- Developed comprehensive car maintenance tracking system with Flutter mobile app and React web dashboard
- Implemented offline functionality with SQLite, real-time data synchronization, and maintenance scheduling
- Created cross-platform mobile application with local database, image capture, and push notifications
- Built web dashboard with data visualization, calendar integration, and real-time updates
- Integrated JWT authentication, MongoDB backend, and scheduled maintenance notifications

Backend Generator

Backend Generator - Code Generation Tool

- Developed CLI tool for generating NestJS code with RBAC integration and GraphQL support
- Automated creation of controllers, services, and GraphQL resolvers
- Implemented interactive CLI with command parsing and comprehensive help system
- Created template-based code generation with dynamic content and validation
- Integrated GraphQL schema generation and Apollo Server setup

Amazon Chat Assistant

Amazon Chat Assistant - Discord Bot

- Created AI-powered Discord bot for Amazon FBA education using OpenAI API
- Implemented conversational AI with context management and educational features
- Built modern Discord bot with slash commands and async programming
- Integrated OpenAI GPT models for intelligent responses and educational content
- Implemented conversation context preservation and rate limiting

Discord Verify Bot

Discord Verify Bot - User Verification System

- Built sophisticated verification bot with multi-step questionnaire and webhook integration
- Implemented modal forms, role management, and automated verification processes
- Created multi-step questionnaire system with progressive verification
- Integrated GoHighLevel webhook for lead management and data collection
- Implemented secure session management and role-based access control

PerkUP

PerkUP - Multi-Platform Loyalty & Rewards System

- Developed comprehensive loyalty management system with web admin and mobile app
- Implemented real-time data synchronization between web and mobile platforms
- Built ASP.NET Core backend with Entity Framework Core and JWT authentication
- Created React admin dashboard with Vite, Tailwind CSS, and comprehensive analytics
- Developed Flutter mobile app with cross-platform functionality and native performance

NoblePOS

noblepos.com

NoblePOS - Point of Sale & Business Management System

- Developed comprehensive POS system for retail operations with inventory management
- Implemented clean architecture with Entity Framework Core and Vue.js frontend
- Built business logic layer for sales, inventory, purchases, and financial operations
- Created domain layer with comprehensive entity models and validation rules
- Implemented persistence layer with database context and repository pattern

WordPress Development Experience

- AgentFusion.com: Custom real estate theme with property listings, agent profiles, and Google Maps integration.
- TwoTrackProperties.com: Property management system with advanced search filters and virtual tour features.
- SKFramers.com: Construction company website with portfolio gallery and testimonials system.
- Evoo.pk & Shop.Evoo.pk: E-commerce platform with multi-vendor system, local payment gateways, and mobile app integration.
- Technologies: WordPress, PHP, MySQL, WooCommerce, Custom Themes, Custom Plugins, Payment Gateways, REST API