

Muhammad Anas

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Experience

Software Engineer — SystemsD

Lahore, Pakistan

Sep 2025 – Present

- Owned full-stack delivery across multiple client projects, covering architecture, backend, and frontend.
- Integrated AI, voice, and payment APIs into production systems, handling service design and error resilience.
- Designed schemas, built async job pipelines, and resolved production issues across live environments.

Associate Software Engineer — SystemsD

Lahore, Pakistan

Aug 2024 – Aug 2025

- Built and maintained full-stack features for a client-facing marketplace platform using Laravel and Vue.js.
- Implemented real-time messaging and integrated third-party services for payments and file storage.
- Translated client requirements into technical solutions, iterating based on direct feedback.

Software Engineer Intern — SystemsD

Lahore, Pakistan

Jun 2024 – Aug 2024

- Refactored a CRUD application into a layered MVC architecture, separating frontend, backend, and database concerns.
- Contributed to API integration, relational database design, and backend development on live projects.

Skills

Languages PHP, TypeScript, JavaScript, SQL

Frameworks Laravel, Next.js, Vue.js, Tailwind CSS, Alpine.js

Databases MySQL, Redis, Cloudflare D1

Tools Git, GitHub Actions, Docker, Vercel, Fly.io, AWS (S3)

Integrations Stripe, Twilio, ElevenLabs, Clerk, Zenventory, Postmark

Other REST APIs, WebSockets, CI/CD

Projects

Expert Marketplace Platform (Laravel, Vue.js, MySQL, Redis, Docker)

SystemsD

- Maintained and extended a versioned REST API serving 500–1,000 active clients across a legacy Vue 2 and a modern Vue 3 frontend.
- Resolved a production performance bottleneck by optimizing database placement, resulting in measurable API response improvement and positive client feedback.
- Implemented WebSocket-based real-time chat and integrated Stripe, AWS S3, and Postmark within a role-scoped domain architecture.

AI Voice Receptionist Platform (Next.js, TypeScript, Twilio, WebSockets)

SystemsD

- Architected a multi-tenant AI voice SaaS with a split-service design, isolating a Next.js serverless app from a real-time voice bridge for reliable long-lived WebSocket handling.
- Owned the voice bridge end-to-end: AI calls, warm transfers, per-call configuration, and fault-tolerant transcript delivery.
- Built 35+ REST API handlers in TypeScript, a durable job queue, and a post-call pipeline covering summarization, notifications, and idempotency.

Shipping Analytics Dashboard (Laravel, Vue 3, MySQL, Redis)

SystemsD

- Sole developer — designed and built a decoupled Laravel REST API and Vue 3 SPA from scratch, processing 100+ orders daily.

- Built the frontend with Vue 3, Pinia, Vue Router 4, and Ant Design Vue, featuring auth-guarded routing and persistent state.
- Automated order ingestion via scheduled jobs integrating Zenventory and ShipStation, with hourly alerts and per-order cost tracking.

Education

Bachelor of Computer Science — Namal University, Mianwali

Sep 2019 – Sep 2023