

Muhammad Awais

Senior Full-Stack Engineer

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PROFESSIONAL SUMMARY

Senior full-stack engineer with ~9.5 years of experience owning platforms end to end across Laravel and Vue. 7+ years delivering production SaaS solo for US clients on US hours. Comfortable across Laravel, Vue 3, Vue 2, Inertia.js, Tailwind CSS, Vuetify, Pinia, and TypeScript for complete application delivery.

TECHNICAL SKILLS

Languages

PHP 5.6-8.2, JavaScript, TypeScript, SQL

Frontend

Vue 3 (Composition API), Vue 2 (Options API + mixins), Inertia.js, Vuetify 3, Tailwind CSS, Pinia, Vue Router, Chart.js, Alpine.js, Laravel Mix, Vite

Backend

Laravel 4-13, FastAPI, REST APIs, Sanctum, WebSockets, Artisan Commands

Databases

MySQL, PostgreSQL

Cloud & Infra

AWS EC2, AWS S3, AWS SES, Docker, Nginx, Bitbucket Pipelines, GitHub Actions

Integrations

Stripe, Twilio, identity verification APIs, Shopify Admin API, Zendesk, Klaviyo, Google OAuth, Pusher

PROFESSIONAL EXPERIENCE

US Telehealth Platform — Founding Engineer

Jun 2022 - May 2026

US telehealth startup handling medical encounters and prescription fulfillment for 76,000+ patients

- Architected a full-stack system spanning 4 Vue/Laravel applications (REST API, encounter portal on Inertia.js/Vue 3, patient SPA, Vuetify admin panel) sharing one MySQL database with 246 migrations
- Built 17 clinical intake flows in the encounter portal with Inertia.js, Vue 3, and Jetstream, using subdomain routing to replace a JotForm/PHP prototype
- Wired up 14+ marketing tracking pixels (Facebook, Google, Reddit, TikTok, Twitter, Pinterest, and others) inside the Vue 3 patient portal
- Built a dynamic allergy substitution engine spanning all 17 encounter types, swapping contraindicated medications automatically based on staff-defined rules
- Ran the entire AWS EC2 infrastructure solo for the first 1.5 years: SSL via Let's Encrypt, security groups, Nginx reverse proxy

QCS (Quality Consortium Services) — Solo Developer & Architect

Apr 2019 - Present

US DOT drug and alcohol testing compliance SaaS serving 3,406 fleet companies and 8,859 active employees

- Leading the migration from legacy Blade/Vue 2 to Inertia.js + Vue 3 SPA across 12 functional areas while keeping both stacks working
- Designed state machines for 5 employee states and 3 order stages, each backed by a full audit trail history table with real-time UI updates
- Integrated Stripe at 4 levels (subscriptions, per-order charges, one-time enrollment fees, setup intents), including webhook handling and automated invoice PDFs
- Built agent multi-company switching via session-based company scoping across 3,406 fleet companies

Multi-Tenant SaaS Platforms — Solo Developer & Architect

Feb 2020 - Sep 2020

Two complete SaaS platforms built solo in 8 months

- Built a multi-tenant agency management SaaS with database-per-tenant isolation and tiered storage enforcement (Free: 60MB, Classic: 5GB, Premier: unlimited)
- Shipped a 6-stage client onboarding wizard in Vue 2, with page limits that flexed by subscription tier
- Combined recurring monthly/annual subscriptions with 3 one-time add-on charges (logo, business card, flyer) in a single Stripe checkout transaction

Web Development Agency — Full Stack Developer

Nov 2016 - Jan 2020

Lahore-based agency with a 4-5 developer team — led 2-3 developers in the final year

- Built an interactive knockout tournament tree that rendered real-time scores from an iPad judging app on a web dashboard
- Delivered multiple full-stack applications over 3+ years, covering Laravel backend, HTML/CSS/JS frontend, and database design

PERSONAL PROJECTS

screen.io — Desktop Activity Tracker

July 2026

- Built a cross-platform desktop tracker with a Python/FastAPI backend, a Vue 3 TypeScript frontend, and a PySide6 Qt desktop UI
- Implemented 13 FastAPI routers, real-time WebSocket events, and Chart.js dashboards, with 243+ tests across pytest and vitest

EDUCATION

BSSE Software Engineering — Virtual University of Pakistan | CGPA: 3.64

2014 - 2018