MUHAMMAD BILAL

Backend Developer · PHP & Laravel · AI Agents & Automation
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PROFILE

Backend Developer with 2 years of experience at Sumsols Technologies, specialising in PHP and Laravel. I build scalable REST APIs, real-time features and cloud-based systems for web and mobile products, with a focus on clean code and reliable delivery. I also build real-time video platforms with LiveKit and AI-powered tools and automations with the Anthropic API, n8n and Retell. I use AI coding tools such as Claude Code, Codex and Cursor to ship full-stack products in Flutter, Next.js, React and Angular quickly, while keeping the architecture and backend under my own control.

SKILLS

- **Backend:** PHP (Core & OOP), Laravel, RESTful APIs, MVC architecture
- **AI & Automation:** Anthropic API, n8n, Retell voice agents, AI chat agents (Instagram, Facebook, WhatsApp), web scraping
- **AI-Assisted Development:** Claude Code, Codex, Cursor, used to build Flutter, Next.js, React and Angular applications
- **Frontend & Apps:** Blade, Vite, Tailwind CSS, JavaScript, jQuery, HTML5, CSS3; Flutter, Next.js, React, Angular (AI-assisted)
- **Data & Cloud:** MySQL (design and query tuning), PostgreSQL, AWS S3
- **Integrations:** LiveKit, Telnyx, WooCommerce, Stripe, Google Maps API, Pusher, WebSockets, Telegram Bot API, Meta Business
- **Tools:** Git, GitHub, Composer, Postman, VS Code

EXPERIENCE

Backend Developer, PHP & Laravel | Dec 2024 – Present
Sumsols Technologies

- Lead backend development for client products, building scalable APIs for web panels, mobile apps and ecommerce stores.
- Built a POS and management platform, WooCommerce product-sync tools and CRM products.
- Built a Zoom-style meeting platform with LiveKit, including recording and phone dial-in through Telnyx.
- Implemented real-time features with WebSockets and Pusher, and file storage on AWS S3.
- Built AI agents: n8n chat workflows for Instagram and Facebook, WhatsApp lead hand-off, and Retell voice agents for inbound calls.
- Use AI coding tools (Claude Code, Codex, Cursor) in daily development to deliver Flutter, Next.js and Angular apps faster.
- Optimised MySQL queries and added caching to improve performance and scalability.

Web Development Intern | Oct 2024 – Dec 2024
Sumsols Technologies

- Developed client websites in HTML, CSS, JavaScript and jQuery.
- Contributed to Laravel backend and API work under senior guidance, using Git and code reviews.

KEY PROJECTS

Live Meetings Platform (Zoom-style) | Laravel · Blade · LiveKit · Telnyx
Solo: designed and built end to end. Live in production.

- Built a Zoom-style video meeting platform alone, using LiveKit for real-time audio and video, with a Laravel backend and Blade frontend.
- Delivered core meeting features: live video meetings and screen sharing.
- Added host and participant controls: mute, unmute, remove participants and raise hand.
- Built meeting recording tied to a calendar, saving each meeting as MP4 video and MP3 audio.
- Let users attach PDFs and notes to a calendar entry or a specific meeting, keeping meeting material in one place.
- Integrated Telnyx APIs so participants can join a live meeting by dialling a phone number, with no internet connection needed.

POS & Business Management System | Laravel · Blade · Vite · Tailwind CSS · WooCommerce · Anthropic API
Two-developer team, full stack, built for an Australian client.

- Replaced the client's outdated, hard-to-manage system with a platform built around how their business actually operates.
- Built the panel UI with Blade, Vite and Tailwind CSS, and the Laravel backend behind it.

- Delivered the full set of business modules: inventory, invoices, customers, orders, a sales/POS screen, reports and user roles.
- Built an AI assistant on the Anthropic API that runs tasks through plain-language commands, such as fetching all pending invoices or creating a new customer.
- Added scheduled two-way WooCommerce sync that pushes products to the online store and pulls updates back, keeping panel, store and stock consistent.
- Delivered to strong positive feedback from the client.

Sync-Hub: WooCommerce Product Manager | Laravel · Anthropic API · Web Scraping · WooCommerce
Two-developer team, full stack.

- Built a tool that automates WooCommerce product listing: the client enters a SKU and the platform returns complete product details from the supplier's data.
- Developed a separate scraper service that scrapes the supplier's website every night, updating existing products and creating new ones in its own database.
- Exposed that data through an API that Sync-Hub consumes, keeping supplier data fresh without manual lookups.
- Integrated the Anthropic API to search competitor sites from a given URL, extract product details and prices, and fill in missing listing data.
- Built a review workflow: the client checks the generated listing, edits if needed, then publishes to WooCommerce in one step.
- Replaced a fully manual process where the client had to check every competitor's site by hand.

Driver App for POS | Flutter · Laravel · Pusher
Solo: designed and built the mobile app (AI-assisted) and the backend API.

- Built the delivery app and API from scratch for the POS platform, covering the full flow from load assignment to proof of delivery. The client had no delivery app before.
- Admins assign loads to drivers from the POS panel, and drivers are notified instantly in the app.
- Drivers view the load slip in the app with everything they need to deliver and check it before leaving.
- Live driver tracking with Pusher, shown on the panel in real time.
- Proof of delivery: drivers capture a photo and the customer's signature in the app, and the panel is notified on completion.

ShareRoute: Carpooling & Parcel Platform | Laravel · Flutter · PostgreSQL · Google Maps API · Pusher
Final Year Project. Solo, designed and built end to end (Flutter app AI-assisted).

- Built the full product alone: Laravel REST API with PostgreSQL, and a Flutter mobile app for riders and drivers.
- Route-based carpooling: drivers publish routes on Google Maps, and riders find rides along the path.
- Women-only rides: gender is captured at registration, and these rides are matched only with women's profiles.
- OTP verification at ride start and at parcel handover, so both parties confirm each exchange.
- Parcel delivery on existing trips: senders either post a request or choose a driver's route, then negotiate terms in-app before handover.
- Real-time features with Pusher: ride request notifications, in-app negotiation chat, live driver location and ride status updates.
- Web platform live at shareroute.composerforce.me; mobile app in active development.

Tenant Chat & Voice Agents | n8n · Retell · Anthropic API · Laravel API · Meta Business · WhatsApp
Built for a property-rental business.

- Automated customer service for a business renting out rooms and properties, where slow replies were causing missed leads.
- Connected Instagram, Facebook and WhatsApp through Meta Business so all incoming messages flow into n8n workflows.
- Built AI chat agents in n8n on the Anthropic API that answer from live panel data (available rooms and properties) fetched through the Laravel API.
- Captured customer details inside the conversation and sent each lead to the client on WhatsApp.
- Set up a Retell voice agent that answers inbound calls, handles the conversation and creates leads without staff involvement.
- Increased lead capture significantly: the client used to miss many enquiries and now receives all of them, with instant replies on every channel.

Telegram CRM | Angular · Laravel · Telegram Bot API

- Built the Laravel backend and Angular admin panel (AI-assisted) that manage Telegram bot conversations and driver assignment in one place.

LIVE & OTHER WORK

- **HN Fabrics** (React + Laravel), hnfabrics.pk: built the complete site solo, frontend and backend.

- **Gaming Website** (Next.js), games.composerforce.me: players browse and pick games and play them, with multiplayer, live chat and rooms.
- **GCUF Portal LitUp** (web extension), gcuf-portal-litup.composerforce.me: a browser extension that replaces the university portal's dated interface with a modern UI at the flip of a switch.
- **JB Order Placement** (Stripe): lightweight in-store self-checkout software for store screens. Customers scan items, generate their bill, pay by card and go.
- **Hunt CRM:** Laravel lead-management CRM.
- Also: Holiday Game, Shareout (app + backend), Review system, B2B.

EDUCATION

BS Information Technology (BSIT), Government College University Faisalabad (GCUF)