# OMER BIN HABIB

Karachi, Pakistan (Remote) · omer.habib62@gmail.com · +92-312-2410991
linkedin.com/in/omer-bin-habib · github.com/omerhabib62 · omerhabib62.github.io

## EXPERIENCE

**Independent Consultant** Jan 2026 – Present

*Remote · Karachi · Backend engineer for UK SaaS clients, plus client work in Denmark and Pakistan*

- Found why daily processing on Spot silently left out contacts and accounts: it filtered on the wrong field. Fixed it and verified end to end against a local database reproducing the deployed data.
- Traced Spot's rising hosting cost to its drivers (queue settings, an uptime check waking the database every minute, overlapping scheduled jobs) and fixed each at its source instead of upgrading the plan.
- **Spot** (UK B2B workplace wellbeing SaaS): Stripe Connect tiered subscription billing and GDPR data handling (hard delete, anonymisation, export). 357 automated tests, 18 database migrations. Deployed on Render, not launched to users.
- Built a Python FastAPI service beside Spot with outlier scoring (Isolation Forest), PII redaction and sentiment gating.

**Software Engineer** May 2023 – Dec 2025

*Blocship · Karachi · Nine products; technically the only backend engineer*

- Built the **points reporting** a vehicle-parts distributor used to pay back its buyers according to the boxes they had bought, on a NestJS QR-code loyalty system with transactional balance changes.
- **Apna Khata** (app for Pakistan's produce markets, Laravel): built the transaction tracking between farmers and market traders.
- **Busy Jollof** (Laravel): fixes to restaurant internals such as invoicing and the ticketing system.
- Across all nine products: MySQL and PostgreSQL data modelling and migrations, code review, production support.

**Software Engineer** Apr 2021 – May 2023

*Sybrid (Pvt) Ltd, a Lakson Group company · Karachi*

- MySQL stored procedures with window functions to save candidate profiles and calculate a profile score server-side (FiTE hiring portal).
- Colgate Inventory and Sales Management (CodeIgniter, support work): fixed faulty data reports and built new ones.
- Syvox (IP telephony and contact-centre platform): MySQL and PHP reports.

**Associate Developer** Sep 2020 – Apr 2021

*TAFSOL Technologies · Karachi*

- Timesheet web app (Laravel) that replaced the Excel sheets staff used to log hours; started the next phase, reports on hours per team and per person. Employee of the Month, October 2020.

## PROJECTS

**MSBA Capstone: what keeps people using a calorie-tracking app** 2026, in progress

- Survey research design (minimum 400, target 600 respondents): MaxDiff to rank eight candidate features, k-means with Ward's method to segment users, regression with segment-by-need interaction terms.

**Sales Analytics Pipeline Dashboard** Personal project

- Turns raw CSV sales data into interactive Profit & Loss dashboards, with cleaning scripts and exportable reports. Python, Streamlit, Pandas.

**Pro-Forma Real Estate Investment Engine** Personal project

- Calculator for real-estate equity cascades, including IRR hurdles and waterfall cash allocations, replacing a bulky Excel model. Python, Streamlit, Pandas.

## SKILLS

**SQL:** PostgreSQL, MySQL: complex queries, window functions, views, stored procedures, data modelling, migrations, idempotent writes; star schema at coursework level (MSBA Data Analysis & Modeling, Power BI)
**Python:** Pandas, Matplotlib, Streamlit, FastAPI (MSBA courses in SQL, Machine Learning, Generative AI, Mining the Web)
**BI:** Microsoft Power BI (certified; built a dashboard in the MSBA Data Modeling course), Excel
**Analytics:** Predictive modelling, decision sciences, segmentation (k-means, Ward), regression with interaction terms, MaxDiff
**Engineering:** Node.js, TypeScript, NestJS, PHP (Laravel), REST, Docker, GitHub Actions, AWS (Lambda, RDS, S3, EC2), Git

## EDUCATION & CERTIFICATIONS

**MSBA:** Karachi School of Business & Leadership · 2025 – 2026 (final semester, graduating Dec 2026) · CGPA 3.12 / 4.0 after the 2nd semester
**BSc Computer Science:** SZABIST, Karachi · 2016 – 2020
**Certifications:** Microsoft Power BI · Generative AI with Large Language Models (DeepLearning.AI with AWS)