HAMID RIAZ

BACKEND & FULL-STACK ENGINEER

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PROFESSIONAL SUMMARY

Shipped an e-commerce store in about 80 pull requests over 3 weeks and cut API latency by 40% through caching and query optimization; backend-leaning full-stack engineer building secure APIs and web apps with TypeScript, Python, React, C#, and SQL, and running Linux production systems.

TECHNICAL SKILLS

Languages:	TypeScript, Python, C#, SQL, JavaScript, Bash, Go, Kotlin
Backend & Frontend:	Bun, NestJS, Express.js, FastAPI, Flask, .NET Core, SignalR, React, TanStack Start, Tailwind CSS, REST APIs, authentication
Data:	PostgreSQL, SQL Server, MySQL, MongoDB, Redis, Drizzle ORM, SQLAlchemy, query optimization, database migrations
Cloud & Delivery:	Linux, Docker, Docker Compose, Oracle Cloud, Azure, Caddy, systemd, GitHub Actions, CI/CD, Prometheus, Grafana, OpenTelemetry

PROFESSIONAL EXPERIENCE

Freelance Backend & Full-Stack Engineer September 2024 – Present

Self-employed, Remote

- Reduced API latency by 40% through caching and query optimization while delivering secure REST APIs and database integrations with TypeScript, Python (FastAPI, Flask), C# (.NET Core), PostgreSQL, SQL Server, and MySQL
- Delivered zero-downtime releases by building GitHub Actions and Bash CI/CD pipelines with rsync deployment, systemd services, health checks, and rollback scripts on Oracle Cloud and Azure Linux VPS instances
- Kept client services observable and resilient by running Docker Compose stacks behind Caddy SSL/TLS with Prometheus, Grafana, automated backups, and firewall hardening

Junior Backend Developer June 2024 – September 2024

Wordsense2.0, Lahore, Pakistan

- Delivered real-time chat capabilities by developing C# (.NET) and SQL Server APIs with SignalR, WebSockets, concurrency-safe caching, and Facebook Business API integration
- Streamlined releases by containerizing services with Docker, automating GitHub Actions deployments, and centralizing logs with the Elastic Stack

Python Developer May 2023 – September 2023

M.A Globals, Lahore, Pakistan

- Improved web-scraper data throughput by 60% by engineering high-performance Python scrapers and automating internal reporting workflows with Python and Bash on Linux

KEY PROJECTS

ModeTech – E-commerce Storefront and Admin Console — *TypeScript, React 19, TanStack Start, Bun, PostgreSQL, Drizzle ORM, Redis*

- Shipped a full-stack store with 240+ commits across about 80 pull requests in 3 weeks by building one TypeScript app with guest checkout, server-side price recomputation, idempotent order creation, role-based staff permissions, and Zod-validated, rate-limited endpoints
- Loaded 994 products into 37 categories by building a WooCommerce import pipeline with image optimization, and automated Oracle Cloud deployments with Caddy, PM2, and OpenTelemetry tracing to Grafana Cloud

Lookback – Offline Semantic File Search Desktop App — *Go, llama.cpp, EmbeddingGemma 2, Turso vector store, Vulkan/CUDA, Linux*

- Shipped a solo v0.1.0 (195 commits, about 33k lines of Go) that finds images and documents by meaning with no cloud, by building a supervised llama.cpp embedding sidecar and a filesystem-watcher indexer
- Kept search under 230 ms per query over 100k items by storing vectors in Turso, with search available while indexing

KitKiat Studio – Wix to Astro Platform Migration — *NestJS, TypeScript, PostgreSQL, Drizzle ORM, Stripe, React, Docker*

- Led backend architecture as primary contributor with 30+ merged pull requests on a 3-developer team by building a NestJS API with 24+ feature modules, and a Stripe storefront serving an Astro site and a React admin panel

OTHER PROJECTS

Campus Circle — C# (.NET 8) university backend; SQL Server to PostgreSQL migration and index tuning
Minideploy — Python PyPI CLI for zero-downtime VPS deploys with rolling updates, health checks, and automatic rollback
Taskmind — NestJS and PostgreSQL task platform with Python PydanticAI agents and a FastMCP server
Campaign365 — FastAPI and MongoDB backend for a political party CRM serving web, admin, and mobile clients
Reverse Shell Killer — systemd-managed Python security daemon with LLM threat analysis, Prometheus, and Grafana

EDUCATION

BS in Computer Science
University of Engineering and Technology, Lahore
CGPA: 3.625 — Expected 2027

HIGHLIGHTS

4+ years of Linux administration and daily use
Production deployments: Oracle Cloud and Azure
Docker, CI/CD, monitoring, migrations