HASSAN KHALID

Full-Stack Developer | React & Django Specialist

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PROFESSIONAL SUMMARY

Results-driven Full-Stack Developer with expertise in building scalable web and mobile applications using React, React Native, and Django REST Framework. Proven experience delivering multi-tenant SaaS platforms, enterprise CRM systems, and production-grade backend infrastructure spanning healthcare, automotive, insurance, and HR sectors. Skilled in real-time systems (WebSockets, Celery, Redis), containerized deployment (Docker, AWS EC2, GitHub Actions), and monitoring (Prometheus, Grafana). Focused on delivering high-quality, user-centric, and reliable solutions.

TECHNICAL SKILLS

- Frontend: React.js, React Native, JavaScript, Redux Toolkit, TanStack Query, HTML5, CSS3, Next.js, Vite, React Router, Tauri, Rust
- Styling & UI: Tailwind CSS, Material-UI, shadcn/ui, Responsive Design
- Backend: Python, Django, Django REST Framework, FastAPI, Node.js, REST APIs, WebSockets, JWT, Role-Based Access Control, Django Channels, Daphne (ASGI), Uvicorn, SQLAlchemy
- Databases & Messaging: PostgreSQL, TimescaleDB, MongoDB, Supabase, Firebase, SQL, Redis, Celery, Celery Beat
- DevOps & Infrastructure: Docker, Nginx, AWS EC2, GitHub Actions, Prometheus, Grafana, Alertmanager
- Tools & Platforms: Git, GitHub, Figma, Postman, Insomnia, VS Code, Chrome DevTools, pandas, openpyxl, WeasyPrint, Google Sheets API, pytest, Vitest, ESLint

TECHNICAL SPECIALIZATIONS

SaaS & Multi-Tenant Platforms • Enterprise CRM Solutions • Mobile App Development (React Native) • Full-Stack Web Applications • Real-Time Systems & WebSockets • Healthcare Tech • Automotive & Insurance Solutions

PROFESSIONAL EXPERIENCE

Devspero — Founder *2025 – Present*

- Founded and lead a software development company delivering web and product engineering for clients, setting technical direction and delivery standards.
- Built and shipped client products end to end — including the Care Winners caregiving marketplace for a US client — from first spec to production deploy.

VEEIVS — Frontend / Full-Stack Developer *Oct 2025 – Jul 2026*

- Designed and developed a production-oriented Insurance Operations CRM using React, Django REST Framework, PostgreSQL, Redis, and Docker.
- Implemented lead submission and validation workflows, duplicate detection, role-based and column-level permissions, audit history, complaints handling, device approval, and shift-aware analytics.
- Built real-time chat, mentions, and notifications with Django Channels and WebSockets, plus asynchronous background processing with Celery.
- Containerized the platform with separate Gunicorn and Daphne services, deployed to AWS EC2 via GitHub Actions and Nginx, and added Prometheus/Grafana monitoring.
- Built multi-tenant SaaS platforms: HRM Employee Management System, Auto-CRM for call centers, MED-ALERT for medical services, Medicare Care Leads CRM, and FECRM with Google Sheets integration.
- Developed the Compliance Portal to track leads and verify user, verifier, and retention team progress across BPOs, including a complaint submission workflow.

Balister Tech — Frontend Developer *Nov 2024 – Mar 2025*

- Built Repair Master, a multi-service repair platform with distinct customer, provider, and admin roles.

Wise Tech Pakistan — Frontend Developer *Nov 2024 – Mar 2025*

- Developed a POS system for optics management (OPTICAL) with real-time inventory management, sales tracking, customer database, and analytics dashboards.
- Built OptiFlow, a React Native mobile app, and Repair Master, a multi-service platform for Balister Tech with customer, provider, and admin roles.

- Focused on creating scalable, user-friendly applications with clean API integrations.

Mars BPO — Client Engagement (via VEEIVS / Devspero) *Jan 2026 – Present*

- Delivered PayFlow Portal, a payroll and commission-invoicing platform generating W-2/1099 invoices with async Celery/Redis pipelines and real-time status streaming.
- Built Mars Score Tab, a compliance and reporting platform providing a single auditable source of truth for performance scoring.
- Developed MED-ALERT, a multi-tenant SaaS CRM for managing leads and sales across verifier, retention, manager, fronter, and admin roles.

KEY PROJECTS

PayFlow Portal *Apr 2026 – Present*

Associated with Mars BPO

- Payroll and commission-invoicing platform (Django REST + React 19) that generates W-2/1099 invoices from Excel and Google Sheets imports and emails them in bulk batches of up to 1,000 with rate throttling; built async Celery/Redis pipelines with retry and Celery Beat scheduling, real-time status streaming over Django Channels/Daphne WebSockets, fuzzy-matched Google Sheets sync, device-approval JWT security with IP geolocation, module-level RBAC, Redis caching with signal-driven invalidation, and server-side PDF rendering via WeasyPrint/ReportLab.

Insurance Operations CRM *May 2026 – Jul 2026*

Associated with VEEIVS

- Production CRM built with React, Django REST Framework, PostgreSQL, Redis, and Docker featuring real-time chat/notifications (Django Channels, WebSockets), Celery task processing, and Prometheus/Grafana monitoring, deployed to AWS EC2 via GitHub Actions and Nginx.

Compliance Portal *Jan 2026 – Present*

- Portal that tracks leads and verifies the progress of users, verifiers, and retention teams across BPOs, and supports submitting complaints about users.

MediCare CRM *Jan 2026 – Present*

- Lead management system fetching data from Google Sheets with API integration for medical services.

Auto-CRM Lead Management System *Dec 2025 – Present*

- Lead management system for call centers, managing vehicle sales leads and campaigns using React.js and Tailwind CSS.

FeCRM *Dec 2025 – Present*

- Lead management system fetching data from Google Sheets; built a responsive, user-friendly site with React.js and Tailwind CSS.

MED-ALERT Lead Management System *Dec 2025 – Dec 2025*

- Multi-tenant SaaS CRM built for Mars BPO and other call centers to manage leads and sales across verifier, retention, manager, fronter, and admin roles.

VEEIVS Management System *Oct 2025 – Dec 2025*

- SaaS-based HRM for companies, software houses, and call centers, managing attendance, salary, projects, stock, and inventory.

HRM Employee Management System *Oct 2025 – Dec 2025*

- Multi-tenant SaaS platform for workforce management including employee database, leave/attendance tracking, payroll integration, performance management, and role-based access control.

SSI Medicare CRM *Jan 2026 – Present*

Associated with Devspero

- Full CRM delivered for a US healthcare client covering agent records, appointment scheduling, and Medicare policy tracking across uplines and carriers, built with React and Django REST Framework.

Care Winners *Jan 2026 – Present*

Associated with Devspero — US client

- A caregiving marketplace connecting families with verified, background-checked in-home caregivers, featuring AI-powered matching, transparent pricing, and a flexible booking flow, shipped end to end from spec to production deploy.

Mars Score Tab *Jan 2026 – Present*

Associated with Mars BPO

- Compliance, reporting, and record-keeping platform giving teams a single auditable source of truth for performance scoring and long-term recordkeeping, built with React and Django REST Framework.

Devspero — Company Website *2025 – Present*

Founder at Devspero

- Public web presence for Devspero, the software development company I founded, presenting the team, services, and engineering culture; built with Next.js and React.

Repair Master *Nov 2024 – Mar 2025*

Associated with Balister Tech

- Multi-service repair platform with distinct customer, provider, and admin roles, built alongside OptiFlow during the same engagement.

OPTICAL — Optics Management System (POS) *Nov 2024 – Mar 2025*

Associated with Wise Tech Pakistan

- Point-of-sale system for optics retail with real-time inventory management, sales tracking, customer database, and analytics dashboards, built with Next.js and REST API integration.

EDUCATION

Bachelor of Science in Software Engineering

FAST NUCES, Islamabad | 2025

CERTIFICATIONS

- Work with Components in Figma (Coursera, 2025)
- Create a Lead Generation Messenger Chatbot using Chatfuel (Coursera, 2025)
- Google Ads for Beginners (Coursera, 2025)
- Search Engine Optimization (SEO) with Squarespace (Coursera, 2025)
- Create Charts and Dashboards using Google Sheets (Coursera, 2021)

LANGUAGES

English (Fluent), Urdu (Native), Punjabi (Native)