

# Fahad Faheem

Software Engineer

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## SUMMARY

Software Engineer building web applications and AI-powered systems. Skilled in system design, scalable architectures, and the full development lifecycle. Have taken multiple projects from concept to production, kept them running, and know how to lead a project.

## TECHNOLOGIES

<b>Languages</b>	JavaScript, TypeScript, Python
<b>Frontend</b>	React.js, Next.js, Electron, Tailwind CSS, UI Component Libraries
<b>Backend</b>	Node.js, Express.js, Web Sockets, gRPC, Sequelize ORM
<b>Databases</b>	MySQL, MongoDB, PostgreSQL, Redis, Qdrant
<b>Tools &amp; DevOps</b>	Git, GitHub Actions, Kong, Docker, Azure

## EXPERIENCE

**Software Engineer** · Skyware IT Solutions (Peshawar, Pakistan) · Apr 2026 – Present

Designing and implementing automation workflows within a Property Management System (PMS) in the hospitality sector for clients in Germany. Developing full-stack features to streamline front-desk and guest-facing processes through system-based workflows, reducing manual effort.

## PROJECTS

**Business Management Platform** · Feb 2025 – Feb 2026 *React, Recharts, Node.js, PostgreSQL, Redis*

- Multi-tenant SaaS platform managing 12+ core business resources across CRM/ERP and more.
- Implemented RBAC/ABAC with granular permissions enforced at both functional and interface levels.
- Optimized critical queries and integrated Redis caching to sustain performance under load.

**AI Assistant Platform** · Jun 2025 – April 2026 *Next.js, Node.js, Qdrant, PostgreSQL, Redis*

- Co-developed a platform with three engineers to embed custom AI assistants into organizational websites.
- Implemented RAG with vector search using Qdrant, dynamic tool calling, and seamless widget integration.
- Collaborated on system architecture, widget embedding strategies, and core features across the full lifecycle.

**Property Kiosk** · Apr 2026 – Present *React, Mantine UI, Node.js, PostgreSQL*

- Built a self-service kiosk system for hotels in Germany handling guest reservations and check-in workflows.
- Integrated with the Apaleo Open PMS (Property Management System) to automate front-desk processes.
- Designed an intuitive touch-based interface to guide guests through the full check-in flow independently.

## KEY COMPETENCIES

<b>Architecture</b>	Microservices, multi-tenancy, caching strategies, distributed systems
<b>AI/ML</b>	RAG pipelines, embeddings, vector databases, tool calling, LLM integration
<b>Infrastructure</b>	Deployment automation, containerization, cloud orchestration, uptime optimization

## ADDITIONAL INFORMATION

<b>Languages</b>	Pashto, Urdu, English (Native fluency in all)
<b>Location</b>	Peshawar, Khyber Pakhtunkhwa, Pakistan
<b>Experience</b>	3+ years designing and developing software products