

# Mohammad Shahid

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## PROFESSIONAL SUMMARY

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Full-stack and AI-focused software developer with strong experience building secure, scalable, and production-ready systems across web, mobile, desktop, and cloud environments. Skilled in modern JavaScript/TypeScript frameworks, .NET, database design, AI integration, and end-to-end product engineering. Passionate about solving complex technical problems, designing robust architectures, and delivering high-quality user experiences.

## TECHNICAL SKILLS

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**Languages:** JavaScript, TypeScript, C#, Java, Python, SQL, PL/SQL

**Frontend:** React, Next.js, React Native, Expo, Tailwind CSS, HTML/CSS

**Backend:** Node.js, Express, ASP.NET Core, Next.js API Routes

**Databases:** PostgreSQL, Supabase, MySQL, Oracle, NoSQL, SQLite

**Cloud & DevOps:** AWS, Vercel, Supabase, GitHub Actions, CI/CD

**AI & Data:** OCR pipelines, LLM integration, RAG, embeddings, semantic search

**Security:** RBAC, JWT auth, RLS, encryption, audit logging, secure API design

**Tools & Frameworks:** Git, .NET, EF Core, WPF, React Query, Stripe SDK

**Operating Systems:** Linux, UNIX, Windows

## TECHNICAL EXPERIENCE

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*Full-Stack, AI, and Systems Engineering*

- Designed and developed full-stack applications across web, mobile, and desktop using React, Next.js, React Native, .NET, WPF, and modern JavaScript/TypeScript.

- Built secure backend architectures with authentication, authorization, RBAC, JWT, RLS, encrypted data flows, audit logging, and multi-tenant access controls.
- Implemented AI-powered features including OCR pipelines, structured data extraction, LLM-based reasoning, semantic search, embeddings, and retrieval-augmented generation.
- Engineered scalable API layers with REST endpoints, background processing, workflow automation, and operational monitoring for reliability and performance.
- Designed relational database schemas using PostgreSQL, Supabase, MySQL, Oracle, and SQLite with migrations, triggers, views, and optimized indexing strategies.
- Applied advanced Python concepts — data structures, web data access, parsing, and automation — to build data-driven features and backend utilities.
- Integrated payment and subscription systems using secure checkout flows, webhook-driven provisioning, and billing logic.
- Developed cross-platform mobile features including camera workflows, file handling, secure storage, offline-aware interactions, and optimized network requests.
- Implemented analytics, telemetry, and internal dashboards for product insights, performance tracking, and operational health.
- Followed strong engineering practices: SDLC, Agile, OOP, design patterns, testing, version control, and CI/CD pipelines.

## EDUCATION

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### **Diploma in Computer Programming**

Sheridan College — Oakville, ON

Sept 2022 – Apr 2024

*Coursework in full-stack development, databases, cloud computing, security, networking, and software engineering principles.*