

# Affaan Saadat

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## Skills

**Languages:** C++, Python, C, C#, Java, JavaScript, TypeScript, SQL, Swift, HTML/CSS

**Frameworks/Tools:** React, .NET, Docker, AWS, Selenium, Azure Data Explorer, Git, VSCode, Jira, Jenkins, GraphQL, REST

## Experience

**Full Stack Software Engineer 2**, Docusign – Chicago, IL Feb 2023 – Sept 2024

- Acted as SME for Bulk Review AI UX; owned automated regression testing, product requirement validation, and end-to-end functionality for AI-powered document analysis extracting 17 key fields.
- Developed React components to display AI-generated Agreement Summaries and document field extractions, integrating with backend services for dynamic rendering.
- Increased unit test coverage for AI services from 60% to over 90% by implementing comprehensive test suites across core modules.
- Configured 12 production alerts tied to Selenium test failures to notify on-call engineers before customers were impacted.
- Reduced API calls per document transaction by over 90% by centralizing AI feedback processing on the backend, shifting logic from client to server for better maintainability and model update accuracy.
- Designed and initiated a migration plan for the document risk analysis panel from REST to GraphQL.
- Modified database schema to store and retrieve pre-generated document summaries, avoiding redundant AI calls on repeated access.

**Full Stack Software Engineer**, Docusign – Chicago, IL Feb 2022 – Sept 2022

- Created REST API endpoints to support creation and updates of CLM Parties objects per client integration needs.
- Wrote front-end Selenium tests to cover UI features, reducing manual QA time during regression cycles.
- Designed and implemented a data model and feature flag system to allow custom aliasing of document types across the application.

**Full Stack Software Engineer Intern**, Docusign – Remote May 2021 – Aug 2021

- Added sorting and pagination to the CLM Parties List UI via custom backend API endpoints.
- Created a dashboard in Azure Data Explorer using KQL to monitor performance of shipped team features.

**Full Stack Software Engineer Intern**, Capital One – Remote Jun 2020 – Aug 2020

- Integrated internal APIs to aggregate employee and team data for enterprise mapping.
- Built a backend endpoint to auto-create Jira Epics on relevant boards, streamlining task planning.

## Entrepreneurship

**BackPockit.ai** – Founder/Engineer 2025 – Present

- Designed architecture for voice-based AI agents to handle calls and scheduling for contractors and tradespeople.
- Oversaw technical decision-making on Twilio integration, ElevenLabs speech synthesis, and LLaMA 4 for natural language understanding, while collaborating with CTO on implementation.
- Conducted user research with tradespeople to identify pain points and shape product roadmap and conversational UX.

**Takhat Café** – Ops Lead 2024 – Present

- Launched a family-run Pakistani dessert shop; set up POS system, Google Maps listing, and in-store menu operations.
- Led marketing, outreach, graphic design, and social media campaigns, driving 1,000+ sales in 3 months and projecting 6-figure annualized revenue.
- Oversaw hiring, onboarding, and branding; managed development of takhatcafe.com.

**Renotia.com** – Founder 2024 – 2025

- Founded a marketplace connecting tradespeople with homeowners needing repairs, focusing on ease of communication and reliability.
- Built MVP contractor issue-tracking system; hired and managed offshore development team to deliver core features.
- Conducted 10+ user interviews with contractors and homeowners to identify pain points and inform product design.

**Yesterday's Clothing** – Founder 2024

- Organized thrift pop-up for charity, generating \$8,000 in a single day through digital marketing and logistics.

## Education

**University of Michigan** – B.S.E. in Computer Science, Cum Laude Jan 2022

**Miftaah Institute** – Classical Arabic and Islamic Studies (1-Year Program) Jun 2025

**HarvardX** – CS50: Introduction to Artificial Intelligence with Python In Progress

Covers search algorithms, knowledge representation, machine learning, neural networks, and Python-based AI implementation.