

# Kashan Khan

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## EDUCATION

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**Wayne State University | Detroit, MI**

**August 2023 - August 2026**

*B.S. in Computer Science | GPA: 3.67*

**Relevant Coursework:** Data Structures & Algorithms, Software Engineering, Operating Systems, Database Management Systems, Computer Architecture, Java Programming, Linear Algebra, Probability & Statistics, Multivariable Calculus

## TECHNICAL SKILLS

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**Languages:** C#, TypeScript, JavaScript, SQL, Python, Java, C++, C, Dart, Bash

**Frameworks & Libraries:** ASP.NET Core, EF Core, React, xUnit, Vitest, React Testing Library, FastAPI, Flutter

**Databases & Tools:** SQL Server, PostgreSQL, MySQL, Firebase, Git, GitHub Actions, Docker, OpenAPI, Codex, Claude

**Concepts:** REST APIs, JWT Authentication, RBAC, CI/CD, OOP, SOLID, Domain Modeling, Agile, Unit & Integration Testing

## PROJECTS

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**FigScan | Android, Flutter, Firebase, Python, TensorFlow Lite**

**June 2026**

- Developed an Android mobile application that classifies fig leaf images as healthy or unhealthy using a TensorFlow Lite image-classification workflow.
- Achieved 92% test accuracy by training and optimizing a transfer learning model with fine-tuning, automated data augmentation, threshold tuning, image resizing, and class weighting.
- Integrated a TensorFlow Lite model for on-device image inference, enabling offline leaf analysis for farmers in field environments without internet access.
- Built Flutter/Firebase features for user authentication, admin account approval, image capture/upload, scan result display, and classification history, enabling approved users to review past scans.

**MortgageFlow | C#/.NET, React, SQL Server, Docker**

**June 2026**

- Built a full-stack mortgage workflow platform enabling four user roles to create, assign, process, and underwrite synthetic loan applications.
- Designed guarded workflow rules and a deterministic assignment engine that prioritizes loans, filters employees by eligibility and capacity, balances workloads, and applies round-robin tie-breaking.
- Implemented ASP.NET Core Identity, JWT authentication, role-based authorization, audit history, and row-version concurrency to prevent unauthorized actions, invalid transitions, and stale-data overwrites.
- Automated quality checks with SQL-backed integration tests, React tests, Docker image builds, and a multi-job GitHub Actions CI pipeline.

## PROFESSIONAL EXPERIENCE

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**Front Line Home Health Care Inc. | Southfield, MI**

**January 2020 - Present**

*Vice President*

- Expanded referral source and community partner network by approximately 4x through stakeholder outreach, relationship-building, and business development.
- Implemented healthcare technology and AI-assisted workflows using Axxess and digital productivity tools to streamline communication, referral tracking, documentation, and administrative operations.
- Gathered stakeholder requirements to improve website content and digital outreach, contributing to 754% more Google Business Profile views, 810% more search appearances, and 600+ patient referrals.