

# AGHYAD ALGHAZAWI

AI & Full-Stack Software Engineer

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## SUMMARY

AI-focused Full-Stack Software Engineer with 3+ hands-on experience developing scalable, production-grade applications and autonomous agents. Strong background in React, Next.js, Django, and modern AI frameworks like LangGraph and Agno. Passionate about automation, real-time systems, and solving complex problems through intelligent design.

## EXPERIENCE

### Stellar Glaze — AI Solutions Engineer

2025 - PRESENT

- Built autonomous AI agents using **LangGraph**, **Agno**, and **OpenAI/Ollama APIs** to automate lead generation, research, and customer interaction tasks. Designed a **multi-agent MCP system** to coordinate specialized agents for dynamic workflows.
- Integrated **RAG pipelines** with **Pinecone** for context-aware, memory-driven interactions.
- Used the **ReAct framework** for tool selection and task reasoning, boosting success rates by 40%.
- Enhanced agent performance with async orchestration, caching, and real-time observability tools.

### Sadeiq — Full-Stack Engineer

2024 - 2025

- Engineered a **real-time** collaborative web application using Next.js, TailwindCSS, and Convex, resulting in a **40% reduction** in data sync latency and supporting **over 50000** concurrent users.
- Designed and implemented a suite of RESTful APIs for core product features, which improved **data retrieval speeds by 30%** and enhanced overall application performance.
- Collaborated in an Agile team to develop and ship intuitive user interfaces, contributing to a 15% increase in user engagement metrics post-launch.

### Melody Concept — Backend Engineer

2022 - 2024

- Developed and deployed secure, scalable backend systems for client websites using Django and PostgreSQL, successfully handling up to **10,000 daily active users**.
- Integrated various third-party APIs and Content Management Systems (CMS), which **reduced content update time for clients by 60%**.
- Authored comprehensive API documentation and implemented a robust testing suite, leading to a **95% reduction** in post-deployment bugs.

## EDUCATION

### University of Toronto, ST George — Honours Bachelor of Science

2020 - 2025

## PROJECTS

### Modular AI Automation System —

Architected a sophisticated autonomous AI agent in Python using the **Agno** framework, designed to automate complex social media management and content creation tasks using custom built **MCP Servers**.

### Real-time Listing Website —

Designed and engineered a real-time product listing web app with a responsive, SEO-friendly design, integrated chat, strong security, and scalable clean code. Features include localization (RTL support), filtering, search, pagination, and image optimization.

### E-commerce Platform —

Developed a robust e-commerce platform utilizing Next.js for frontend and backend, and Prisma for database operations. Integrated with both SQL and NoSQL databases for efficient data management.

### Cross-Platform App —

Built a cross-platform mobile application using React Native, providing a seamless user experience across iOS and Android platforms with a realtime database update.

## SKILLS

### Modern Technologies

#### Version Control

#### API Development

#### Research

#### Data Analysis

#### Collaboration

#### Problem-Solving

#### Communication

#### User Experience

## TOOLS

### Programming languages

- Python
- TypeScript
- Java
- C++
- Rust
- SQL

### Frameworks & Libraries

- Django
- FastAPI
- React + React Native
- Next.js
- TailwindCSS
- Bun
- PostgreSQL
- SQLite
- Elysia
- Three.js
- Motion
- Convex
- MongoDB
- Docker
- Agno
- LangGraph
- MCP

## AWARDS

### Google Certificate

Android App Development  
Cybersecurity  
IT Support  
Data Analytics

### W3Schools Certificate

Web Design  
Web Development

## LANGUAGES

### English

Level - Native

### Arabic

Level - Native

### Turkish

Level - Basic