# Taha Iftekhar

Senior Software Engineer · Agentic AI & Full-Stack

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## SUMMARY

Senior full-stack engineer with 9+ years building production web platforms, now focused on shipping agentic AI and LLM features in real products. Builds across React, Node.js, GraphQL and Backend-for-Frontend layers, and brings AI into production with Amazon Bedrock, agent harnesses and spec-driven development. Has also published 4 Android apps on Google Play, from an LLM-powered quiz app to productivity tools and a game.

## SKILLS

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|---|---|
| **AI / LLM** | Agentic AI development, multi-agent systems, RAG, Large Language Models, Amazon Bedrock, agent harnesses, Claude Code, spec-driven development |
| **Frontend** | React, TypeScript, JavaScript, micro-frontends (MFE), server-side rendering (SSR), Angular |
| **Backend** | Node.js, GraphQL, Backend-for-Frontend (BFF), Python, MongoDB, .NET Core |
| **Tooling & ops** | Git, Azure DevOps, Datadog |

## EXPERIENCE

### CoStar Group

Arlington, VA (Hybrid) · Oct 2019 – Present

**Senior Software Engineer** — Mar 2025 – Present

- Built an in-app AI help agent (POC, under product review) that reads the screen and product docs, answers how-to questions, and guides users with its own on-screen pointer through filters and toggles
- Built an LLM-powered “Find similar” property search (POC, under product review) that surfaces comparable properties in the same area
- Restructured the product’s Claude Code setup into per-MFE CLAUDE.md files loaded on demand and integrated Graphify (a codebase knowledge graph), cutting AI token usage ~10x at the same speed
- Built an LLM detail-page summarizer and context-aware chatbot in a company-wide AI competition, the team adopted my approach
- Contribute to the internal React framework (components, callbacks and infrastructure) that most product teams build on
- Led a team of 3 software engineers while covering for my manager

**Software Engineer** — Sep 2020 – Mar 2025

- Built and maintain Universal UI, the micro-frontend navbar used by ~10 CoStar Suite products and tens of thousands of users: subscription-aware navigation, upsells, cross-product typeahead search, Help and Feedback, all server-side rendered
- Helped release four CoStar Suite products (Owners Companies, Owners Funds, Lease Activity, Listings) and built SSR for each landing page, cutting page load time from 2.5s to 600ms
- Worked across a three-layer stack: React front end, Backend-for-Frontend (BFF) and Node.js/GraphQL back end

**Associate Software Engineer** — Oct 2019 – Sep 2020

- Promoted to Software Engineer within one year

### Earlier roles

**RADFolks** · Software Engineer — .NET Core, Angular 7 and Entity Framework applications — May 2019 – Aug 2019

**Estytic** (Germany, remote) · Software Engineer — owned the Node.js/GraphQL back end for iCity — Nov 2018 – May 2019

**NextGeneSol** · Software Engineer — web apps with Node.js, React, Angular and PHP — Mar 2017 – May 2019

## PROJECTS

- **Published 4 Android apps on Google Play,** built and shipped end to end: **Quiz Any Movie, TV Show & Game** (LLM generates and caches quizzes for any title), ShiftMate (shift-work calendar), 3D Print Cost Calculator IQ (pricing and PDF invoices) and 3D Printer Farm: Idle Tycoon (game)
- **Multi-agent debate solver:** two LLM agents propose solutions, debate the trade-offs and converge on the best one
- **Personal-voice RAG chatbot:** retrieval pipeline over 7 years of my own chat history so an LLM replies in my voice
- **Home Assistant AI agent:** a chatbot that controls smart-home devices through Home Assistant’s REST API

## EDUCATION

**Sir Syed University of Engineering and Technology** · Bachelor’s degree, Computer Engineering — 2013 – 2016