IKRAMUL HASAN

AI Software Engineer

Portfolio | Email | GitHub | Blog | LinkedIn | Play Store | +880 1867697951

Profile

AI Software Engineer with immense thirst for learning new technologies and 5+ years of experience building production AI, analytics, web, and mobile systems. Experienced in LLM agents, RAG, GraphRAG, tool calling, and cloud infrastructure, including platforms processing 30 million events daily and serving more than 10 million monthly users.

Skills

LLM Agents, Agentic Workflows, RAG, GraphRAG, Tool Calling, AI Evaluations, Prompt Engineering, Flutter, React, Next.js, Express, Python, Google Cloud, DigitalOcean, Git, Agile, System Design

Education

Computer Science and Engineering — *BRAC University | 2019 - 2022*

Experience

AI Software Engineer — *Monsha AI | October, 2025 – Present*

- Redesigned the one shot content generation pipeline with new multi stage agentic content generation flow, boosting accuracy and relevance by 5x
- Led the migration of production services from Digital Ocean to GCP
- Built AI-powered teaching-resource generators for graphic organizers, diagram labeling, answer keys, and other classroom materials.
- Extended the AI agent with web research, source attribution, chart generation, diagram creation, and 3D-modeling capabilities.

Senior Software Engineer — *Markopolo AI | November, 2022 – September, 2025*

- Built the core of Nabiq AI - an agentic customer outreach tool supporting automated voice calls and interactions
- Developed a budget forecaster model to predict ad performance based on historical campaign data
- Built Marktag, an AI-powered analytics platform processing 30 million events daily, with GraphRAG for natural-language data exploration.
- Implemented cutting-edge AI concepts like retrieval augmented generation, agentic frameworks, and more

Software Engineer — *Transmedia Inc | February, 2022 - September, 2022*

- Developed and maintained features for high-traffic web products serving more than 10 million monthly active users.
- Shipped features for some of the most popular utility tools on the internet, like freeconvert.com, imageresizer.com, including AI background remover, document processor, etc.

App Development Instructor — *ICT Division | Govt. of Bangladesh | September, 2021 – February, 2022*

- Delivered hands-on cross platform application development training to a cohort of over 250 students
- Helped multiple students successfully build and release their own mobile applications.