

Mohammed Abu Baker (Shahoyi)

29M | Cambridge, UK | +44 7762 443486 | muyabb@gmail.com | mshahoyi.github.io

I am studying MSc AI at ARU Cambridge, UK with a research focus in AI safety. I have a bachelor's in Medicine. Previously, I was founding engineer and CEO of Kurdivia, which was a VC backed live trivia game app played by ~30% (1.4M) of the Iraqi Kurdish population. During this time I got experienced in real time load-heavy distributed systems.

EDUCATION

Anglia Ruskin University

MSc Artificial Intelligence

Cambridge, UK

Jan 2025 - June 2026

- Researching sleeper agents, misalignment and jailbreaks.
- Visiting researcher at Meridian, Cambridge.
- Did the Cambridge AI Safety Hub Fast-track in technical AI safety.

Hawler Medical University

Bachelor's in Medicine

Erbil, Iraq

June 2020

- Consistently ranked **top 3%** and awarded **4 times** for excellence by the college dean.

University of Oxford

Elective student in Interventional Neuroradiology

Oxford, UK

Dec 2019

WORK EXPERIENCE

Anglia Ruskin University

Research Assistant

Cambridge, UK

May 2025 - Present

- Working on re-identifying individuals of great crested newts—a protected species by UK law—from a set of images by using Swin Transformer models.
- Achieved state of the art accuracy on newts; top-1: 94% and top-5: 100% by creating a novel training pipeline where the Swin Transformer attends only to the region-of-interest (ROI) in each animal using Grounded DINO and SAM (Segment Anything Model) 2.
- Planning to beat the SoTA in animal individual re-identification by applying the new training pipeline in a species-agnostic domain.
- We have been accepted into the [CIEEM conference](#) and our paper is in progress.

Kurdivia (later Padash)

Co-founder & CEO, Product Manager & Full-stack Engineer

Erbil, Iraq

Aug 2021 - Sep 2024

- Live trivia gaming app (similar to HQ Trivia) for the Kurdish population of Iraqi Kurdistan.
- Had **1.4M downloads** (~30% of all Iraqi Kurdish people have played Kurdivia at least once!)
- Built and scaled the backend on AWS & Kubernetes which handled **700K** monthly active users and **150K concurrent** players.
- Led a team of **14 (5 product & 9 ops)** and raised a pre-seed round at **1.15M USD valuation** from [LoyalVC](#) (global VC) and [Flat6Labs](#) (regional VC).
- Worked with a wide range of tools spanning design, front-end, back-end, and infrastructure;
 - **Design & Prototyping:** Figma
 - **Frontend Stack & Libs:** Typescript, React Native, Expo, React Hook Form, Redux, React Query, Flashlist for performant lists, Reanimated for animations
 - **Backend & API:** Node.js, Express, NestJS, REST, GraphQL, tRPC
 - **DB:** PostgreSQL hosted on RDS and Neon, PrismaJs as ORM.
 - **Auth:** Supabase auth
 - **Testing & QA:** Jest for unit testing, Maestro (for E2E tests)
 - **Infrastructure:** Horizontally auto-scaled servers on Kubernetes (AWS EKS), Istio for LB and service mesh. SST for IaC. Kafka for pub/sub messaging. Redis Cluster for shared backend state. ArgoCD for GitOps workflow.

- **Observability:** Prometheus for metrics, Grafana for dashboards, Loki for logs and Tempo for traces
- **Crashlytics:** Sentry.
- **Product analytics:** Posthog, Mixpanel, and Metabase.

LANGUAGES

Kurdish (native), English (fluent), Turkish (fluent), Arabic (conversational), Persian (understanding).