Islam Ihab

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EXPERIENCE

Stealth AI Startup
Oct 2024 — Present

Founding Full Stack Engineer

- Lead the development of the MVP for a stealth AI startup, ensuring modularity and customization for future enhancements.
- Collaborated closely with cross-functional teams to align technical solutions with business objectives.
- Implemented best practices in software development, including modular architecture and version control.

Typescript, NextJS, PostgreSQL, TailwindCSS, Prisma, Clerk, Stripe

Nour for Modern Constructions
Jul 2024 — Oct 2024

Senior Full Stack Engineer

- Developed a comprehensive website using Next.js to highlight the 20-year project history of Nour for Modern Construction, boosting user engagement.
- Created an internal management tool that streamlined reporting processes, improving communication between employees and management.
- Enhanced the company's digital presence and operational efficiency through innovative web solutions.

Typescript, NextJS, SQLite, TailwindCSS, Drizzle, Clerk

TRM Labs
Sep 2022 — Jul 2024

Software Engineer / Data Engineer

- Managed the ingestion and transformation of 10+ TB of blockchain data into **GCS** using **AirFlow** (**Python**), reducing data processing time by 25% and enhancing data integrity in **BigQuery**.
- Developed data quality checks in **BigQuery** and **SodaCL** to enhance system observability, improving data reliability.
- Monitored and maintained data pipeline stability across multiple on-call sessions using **AirFlow** and **BigQuery**, achieving 99.86% uptime and preventing potential data loss incidents.
- Led a cost optimization initiative for storage systems, achieving annual savings of over $200K through targeted efficiency improvements.

Python, BigQuery, PostgreSQL, GCS, Airflow, SodaCL, Git, Docker, Kubernetes

Backlot
Aug 2021 — Sep 2022

Software Engineer / DevOps

- Implemented validity checkers in **Python** to ensure accurate media outputs from testing suites, enhancing reliability.
- Automated end-to-end testing pipelines using **Unity** and **Cypress**, reducing manual testing time by 40% and accelerating release cycles by 15%.
- Streamlined **git** repositories for **Unity** and Web projects, facilitating smoother collaboration across development teams.
- Transitioned the website infrastructure to **Docker**, enabling rapid deployment of local development environments and boosting team productivity.

Python, Firebase, Unity, Cypress, Git, Docker

Null DIES
Sep 2018 — Aug 2021

Game Designer & Developer

- Worked on the development of 'SwordBall' using **Unity**, focusing on multiplayer support, improving stability and latency.
- Global Game Jam 2017 team member (Winners of the Jam)
- Global Game Jam 2019 team member in collaboration with representatives from **Unity**

C#, Unity, Git

DMG - Mountain View
Jun 2018 — Aug 2018

Web Developer Intern

- Developed features for an inter-company rewards app using React Native.
- Improved the UI/UX of the company's online brochures.
- Resolved debugging issues on the company's websites.

HTML5, CSS3, Git

SKILLS

Languages: Java, SQL, C#, CSS3, HTML5, JavaScript, Typescript, Python

Frameworks: Expo, NodeJS/ExpressJs, ReactJS, NextJS

Databases: Firebase, MongoDB, PostgreSQL, SQLite, BigQuery

Tools: Stripe, Prisma, Clerk, Drizzle, Framer Motion, Better-Auth, Convex, Kubernetes, Airflow, SodaCL, Cypress, Unity, TailwindCSS, Docker, Bun, Git, GCS

PROJECTS

Home Server and Automation

Hosting a server at home that runs multiple different services that I use, Proxmox, Truenas Scale, NextCloud, Plex, Home Assistant, AdGuardHome, Portainer and many other services.

Sudoku Solver

A web-based Sudoku application that enables users to solve a wide range of Sudoku difficulties. Additionally, the application provides a creator function, allowing users to input their own puzzles and receive guidance on solving subsequent steps.

Typescript, NextJS, SQLite, TailwindCSS

Karaokeen

A web-based Karaoke application that allows users to start their own karaoke party, with friends to join remotely.

Typescript, NextJS, SQLite, TailwindCSS, Convex, Better-Auth

Suki QR

A service that generates a QR code for pet ID tags, instantly notifying you with the location when someone scans it, no batteries or subscriptions required.

Typescript, NextJS, SQLite, TailwindCSS, Convex, Better-Auth