

Haris Muhammad

Principal Full-Stack Engineer

Contact

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Technical Skills

JavaScript, TypeScript
Python, Django
Clojure, ClojureScript
HTML, CSS
React, React Native
Redux, Zustand, Jotai
PostgreSQL, Redis
RPC, REST, GraphQL
Node, Deno
NextJS, Remix
AWS, Heroku, Vercel
PyTorch, TensorFlow
BigQuery, Redshift
Docker, Kubernetes
CI/CD, DevOps
Linux, Unix, WSL
Git, Git Flow
Agile, Scrum, Shape Up

Education

B.S. Computer Science
Western Governors
University, 3.9 GPA, 2024

References

Available on request.

About

I am a Principal Full-Stack Engineer with over **8 years** of experience developing and delivering apps serving **millions** of users from **Fortune 500** companies. My expertise includes building systems end-to-end across the front-end and back-end, capitalizing on product and customer vision, strategizing on technical architecture, and leading cross-functional teams. I deliver comprehensive solutions that not only **meet** the specifications but **define** the experience.

Experience

Chief Technology Officer FLIP (E-Learning Platform, flip.cards) — 2021-2024

- Delivered multiple cross-platform mobile and web apps for key enterprise clients such as Deloitte, Forvis Mazars, Grant Thornton, Mazda, Stellantis, GM, Ford, and the US Air Force. Active users totaled over **2 million** with average feedback at **4.5/5**. Leveraged TypeScript, React/Native, Postgres, and AWS.
- Developed and launched a COVID-19 safety training program with Deloitte reaching over **600K** employees worldwide within **1 month** while providing demonstrable learner compliance reports, earning **2 Gold Awards in Excellence in Technology** from the Brandon Hall group. Leveraged TypeScript, React/Native, Postgres, and Heroku.
- Built an analytics dashboard providing real-time charts and insights into **100+** learning and performance metrics while delivering sub-second exports, automated email alerts, and external data lake syncing. The solution is **“a game changer”** quoted one customer stakeholder. Leveraged Typescript, React/Native, Node, Postgres, and a custom-made event log and transducer.
- Led a 6-month effort to rebuild the company’s development toolchain, eliminating **9.5 million** lines of code, unifying **30+** apps into one common base, accelerating deployments **100x**, and reducing launch times from several days to minutes. Leveraged Github CI/CD, AWS, Heroku, Expo, and a custom-built CLI and mono-repo.
- Built a custom SSO authentication module with support for secure multi-tenant logins that mitigated a major business bottleneck and generated **\$500K+** in new sales with **0** increase in hosting costs. Leveraged TypeScript, React, and Postgres.
- Reduced new developer onboarding times by **75%**, from months to days, by overhauling and rewriting all technical documentation. **“An incredible productivity booster”** praised one developer newly added to the team. Leveraged Notion, Basecamp, and GitHub.

Client Development Lead FLIP — 2020-2021

Full Stack React Developer FLIP — 2018-2020

Independent Developer Consultant (Various) — 2016-2018