

Haris Muhammad

Principle Full-Stack Engineer

Contact

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Technical Skills

JavaScript, TypeScript
Clojure, ClojureScript
Python, Flask, Django
HTML5, CSS3, Design and
Component Systems
React, React Native, Expo
Reagent, Re-frame, UIx
Redux, MobX, Jotai
PostgreSQL, Redis
AWS, Heroku, Vercel
Node, Deno, Bun
Docker, Kubernetes
PyTorch, TensorFlow
Agile, Scrum, Shape Up
CI/CD, DevOps
Linux, Unix, WSL
Git, GitHub, GitLab

Education

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

References

Tyler Martin
CEO, FLIP
(248) 877-2992
tyler@flip.app

Justin Kramer
Former CTO, FLIP
(607) 351-2372
jkkramer@gmail.com

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