

# HARIS MUHAMMAD

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## Contact

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Detroit, MI

## Technical Skills

TypeScript  
Python  
Clojure  
ClojureScript  
React  
React Native  
Expo  
HTML5  
CSS3  
PostgreSQL  
AWS, Heroku, Vercel  
Node, Deno, Bun  
Linux, Unix  
Docker  
PyTorch  
TensorFlow  
Agile, Scrum  
CI/CD, DevOps  
Git, GitHub, GitLab

## Education

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

## References

Tyler Martin  
CEO, FLIP  
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Justin Kramer  
Former CTO, FLIP  
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## About

I am a Software Engineer with over **8 years** of experience launching products, leading development teams, and building scalable apps used by **millions of users**. My expertise spans technical leadership, full stack development, data analytics and presentation, API design and integrations, and security auditing and vulnerability analysis. With a deep understanding of client- and server-side technologies, and enterprise and customer-facing systems, I am confident in my ability to **grow, lead, take ownership, and deliver from concept to release**.

## Experience

**Chief Technology Officer** FLIP (JIT Learning Platform, [flip.cards](https://flip.cards)) — 2021-2024

- Directed several application launches for multiple enterprise clients, including audit and accounting firms such as Deloitte, Forvis Mazars, and Grant Thornton, automotive like Mazda, Stellantis, GM, and Ford, and the US Air Force. Active users totaled over **1.5 million** with average satisfaction ratings at **4.5 out of 5**. Leveraged TypeScript, React/Native, Node, and Postgres.
- Partnered with Deloitte and created a COVID-19 safety training program reaching over **600K** employees worldwide within **1 month**, all while providing demonstrable learner and regulatory compliance. This project, among other initiatives, earned **2 Gold Awards in Excellence in Technology** from Brandon Hall. Leveraged TypeScript, React/Native, and Postgres.
- Pioneered a 6-month effort to rebuild the entire development toolchain, eliminating **9.5 million** lines of branch code, unifying **30** customer apps into one common base, accelerating deployments **100x**, and dropping launch times from several days to minutes. Accomplished with Git, Github CI/CD, Heroku, Expo, and a custom-built CLI.
- Architected a custom SSO authentication module enabling seamless, secure logins across multiple enterprise tenants, eliminating a major business bottleneck and generating over **\$500K** in new sales with **0** increase in hosting costs. Created with TypeScript, Node, and Postgres.
- Built an analytics platform providing real-time insights into **100+** learning and performance metrics while delivering sub-second exports, automated email alerts, and syncing with external data lakes. The solution is **“a game changer,”** as one customer stakeholder put it, using it for all of their worldwide initiatives. Created with Typescript, React/Native, Node, Postgres, and a custom-made event log and transducer logic.
- Overhauled all technical docs, lowering new developer onboarding times by **75%**, from 1 month to 1 week. One developer praised the new docs as **“an incredible productivity booster.”** Used Notion, Basecamp, and GitHub.

**Client Development Lead** FLIP — 2020-2021

**Full Stack React Developer** FLIP — 2019-2020