Brice Duke

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Education

Software Engineering (BS)   **August 2022 - December 2025**
University of Texas at Dallas | GPA: 3.1

Experience

Self-Employed - *Plano, TX*
Software Consultant   **May 2020 - Present**
- Architected and built software for tens of small businesses and startups, with complexity ranging from simple sites to complex web and mobile applications.
- Worked with clients to ensure their requirements were met or exceeded, and to support them in any way possible.
- Volunteered to create websites for non-profit organizations, like the Bertram Chamber of Commerce and Hill Country Smiles.

TokenToolkit - *Remote*
Founding Software Developer   **February - May 2021**
- Developed intricate internal and user-facing dashboards for token supply and management from scratch.
- Coordinated project deadlines, requirements, and specifications with project managers and blockchain developers.
- Migrated legacy codebase to latest technologies and significantly improved web app performance.

Projects

Outfits.bio   **May 2023 - September 2024**
- Developed a web-based wardrobe sharing platform, written in TypeScript with Next.js, tRPC, and other tools. Integrated UI design mockups and managed the 20KLoC codebase.
- Deployed the platform to production, used by hundreds to share images of their outfits and interact with other profiles for inspiration.

Wavpoint   **April - August 2024**
- Wrote a decentralized streaming platform for a client on top of Zora, an Ethereum L2 network.
- Developed a cross-platform UI that could be used by both Next.js and React Native, and integrated Privy for Web3 authentication, and made a performant backend that indexed Zora contracts and served data to the frontend.
- Integrated many emerging technologies with sparse documentation and resources, and made a complete product that is still in production.

Hackathons

HackUTD 2024   **November 16-17 2024**
- Worked on InfoGo, a RAG-based LLM for assisting with company valuations.
- Developed the RAG app using LangChain, RAISS, and OpenAI that was able to find and parse earnings reports, news, and other financial data on publicly traded stocks, and add/discount specific amounts from a company's calculated net valuation.

Hobbies and Skills

- **Programming:** Developing web applications since 2019, as well as mobile development and cybersecurity. React/Next, Nest.js, TypeScript, Python, C.
- **Electronics:** Interested in electric motors and drives mainly, working on an e-bike (from scratch!) and adding self-driving capabilities to an electric golf cart.