

David F. Echelberger

Education

NC State University - B.S. Computer Science - Minor Business Administration

August 2015 - May 2019

Technical Skills

Languages: Go, Typescript, Python, Solidity, Java, SQL, GraphQL, Postgres, MySQL, Javascript, HTML, CSS, MongoDB, PHP, SAS, Dart

Frameworks: React, Kubernetes, Express.js, Docker, Vue.js, Nest.js, Next.js, TailwindCSS, React Native, tRPC, Prisma, Angular, Flutter

Tools: Node.js, UNIX, AWS, Azure, Kafka, Redis, Grafana, Prometheus, Figma, Pandas/Numpy, OpenAI APIs, Cloudflare, Git

Work Experience

Full Stack Engineer at Kaleido

October 2021 - Present

- Leading the development and delivery of scalable **enterprise blockchain platforms and web apps** for modern business networks.
- Developed and delivered a comprehensive **suite of CBDC solutions**, to high-profile clients including **Swift** and **central banks**.
- Implemented a performant **EVM-based blockchain indexer**, enabling visualization of blockchain data through an **intuitive interface**.
- Built a **decentralized identity platform** leveraging **PolygonID**, **ZKProofs**, and the **iden3 protocol**, providing secure and scalable **identity verification solutions**.
- Developing and collaborating on **Kaleido Asset Platform** to simplify scalable **tokenization of digital assets** in the enterprise.
- Actively contributing to **Hyperledger Firefly**, an **open-source** stack for building, scaling, and monitoring secure Web3 applications.

Full Stack Engineer at Cisco

November 2019 - October 2021

- Developed features across **web apps and microservices** in the CX Cloud team, **boosting platform efficiency** across products.
- Implemented features for **Cisco's serverless function platform**, increasing usability throughout the product experience.
- Created a simple **JIRA task viewer**, improving project visibility and tracking capabilities for senior management.

Technical Consultant at SAS

July 2019 - November 2019

- Consulted on and **implemented big data solutions**, customizing technologies to meet diverse client needs effectively.

Software Engineer Intern at SAS

December 2017 - July 2019

- Developed **GDPR compliance tools**, automating regulatory adherence processes and pipelines.
- Created and deployed **web and mobile compliance solutions** to enhance clarity and communication of applicable laws.
- Improved **tracking and monitoring tools** to optimize resource allocation and increase efficiency in compliance efforts.

Software Engineer Co-Op at Honeywell

August 2017 - December 2017

- Contributed to the launch of **Connexo**, an **enterprise software product** focused on **smart grid IoT data management solutions**.
- Migrated applications from **Adobe Flex to Angular**, improving user experience and responsiveness.
- Completed 9 bi-weekly sprints over the course of an 18 week Co-Op with NC State.

Consulting Work

Daily Dozen Trivia: Daily trivia app

DailyDozenTrivia.com

- Created, designed, and developed a **daily trivia app in the form of a 3x3 grid**, based on popular trivia podcast **The Dozen Trivia**.
- Achieved rapid adoption with **60,000+ daily users**, increasing brand value and fan engagement.
- After being **acquired by Barstool Sports in August 2023**, **integrated into their core infrastructure**, while further developing key features such as **user accounts, leaderboards, and statistics**.

Tapi: Better Beer Menus

TapiMenus.com

- Designed and developed a beer menu service for easy beer discovery, **increasing sales and customer satisfaction**.
- Pitched and integrated at two of the **largest beer gardens in the world**, benefiting **10,000+ paying customers monthly**.
- Powerful **search and filtering engine** to **find beers by style, ABV, IBU, brewery, and venue floor**.

Pardon My Take: Lottery ball tracker

Lottery Ball Website

- Created, designed, and developed an intuitive **interface to track lottery ball numbers** for popular sports podcast, **Pardon My Take**.
- **Collected and organized data** from 450 episodes to create a **comprehensive and easily accessible database** for listeners to use.
- Integrated into podcast's routine in **May 2023**, increasing fan engagement with **2,000+ visitors/month**.

Pingo: Workplace ping pong app

Pingo Website

- Created, designed, and developed a real-time ping pong app to **track employee matches, tournaments, and elo ratings**.
- Fostered a competitive yet collaborative work environment, **increasing employee engagement and healthy competition**.

Contributions & Certifications

- Hyperledger FireFly Maintainer
- University Scholar @ NC State
- Eagle Scout
- AWS Certified Developer
- Black Belt