SENIOR FULL STACK ENGINEER

# David F. Echelberger

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## 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, Javascript, HTML, CSS, NoSQL, PHP, SAS, Dart

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

**Tools**: Node.js, UNIX, AWS, Azure, Grafana, Prometheus, Figma, Vercel, Planetscale, Expo, VSCode, Kinesis 360, Cloudflare, Git

## Work Experience

### Full Stack Engineer at Kaleido    October 2021 - Present

- Leading the development and delivery of cutting-edge **enterprise blockchain platforms** for modern business networks.
- Developed and delivered a comprehensive **suite of CBDC solutions**, to high-profile clients including **Swift** and **central banks**.
- Implemented an **EVM-based blockchain indexer**, enabling customers to explore 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 iterating on **Kaleido Asset Platform** to simplify the **tokenization of digital assets** in the enterprise.
- Actively contributing to **Hyperledger Firefly**, an **open-source** stack for enterprises to build and scale 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 efficiency 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**, ensuring company-wide adherence to regulations.
- 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.**

### Pardon My Balls: Lottery ball tracker    PardonMyBalls.com

- 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**.

### 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**.

## Contributions & Certifications

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