

# Cameron Bibb

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## PROFILE

Software engineer specializing in full-stack development, backend system design, and data streaming. Experienced in JavaScript, TypeScript, Go, Ruby, React, and PostgreSQL, with a strong focus on building scalable, maintainable applications. Creator of Willow, an open-source change data capture framework. Strong problem-solving skills with focus on writing clear, maintainable code, and collaborating on scalable technical solutions.

## PROFESSIONAL EXPERIENCE

**Creator, Software Engineer, Willow** [Willow](#) 2024 – present

Willow ([willow-cdc.github.io](https://willow-cdc.github.io) [Willow](#)) is an open-source CDC framework that syncs database changes to a cache in near real-time.

- Developed a CDC framework reducing pipeline setup from 9 steps to 4 steps.
- Built a KafkaJS connector to transform and cache database events.
- Resolved Debezium configuration issues allowing multiple pipelines per database.
- Enabled least-privilege access, eliminating superuser requirements.
- Designed a REST API for pipeline lifecycle management (Express).
- Built a pipeline management UI (React, Material UI).
- Authored a technical case study on Willow's design and architecture ([willow-cdc.github.io/case-study](https://willow-cdc.github.io/case-study) [Willow](#)).

**Software Engineer, Self-Employed** 2021 – 2024

Designed and built full-stack applications with a focus on web development and developer tooling:

- Requests - A webhook testing tool for debugging event-driven applications (JavaScript, React, PM2, DigitalOcean, Nginx, MongoDB).
- BackLog Update - A full-stack web app for managing a personal video game backlog (Ruby, Sinatra, PostgreSQL).
- Developed APIs, integrated databases, and handled authentication to create functional web applications.
- Deployed projects on cloud platforms, configuring servers and optimizing performance.

**Web Administrator & Digital Media Lead,** 2021 – 2023

First United Methodist Church, Lexington, KY

- Managed and updated WordPress websites, improving usability and accessibility (HTML, CSS, JavaScript).
- Led live-streaming and A/V operations, ensuring high-quality broadcasts.
- Trained and managed a team of staff and volunteers on streaming software, cameras, and audio equipment.

## SKILLS

**Back-End:** Node.js (Express), Ruby (Sinatra), Go, PostgreSQL, MySQL, MongoDB, Redis, REST APIs, Kafka, WebHooks

**Front-End:** JavaScript, TypeScript, React, Material UI, HTML, CSS, TailwindCSS, jQuery, Jest

**Cloud & DevOps:** AWS, DigitalOcean, Heroku, Docker, Git/Github, Linux, Bash

**Other:** OOP, Event-Driven Architecture, Change Data Capture (Debezium)

## EDUCATION

**Launch School** 2021 – 2024

Multi-year, mastery-based software engineering curriculum. Read more at [launchschool.com/employers](https://launchschool.com/employers) [Launch School](#)

**Asbury Theological Seminary, M.Div. & M.A., Theological Studies** 2010 – 2016

**East Carolina University, B.A., Philosophy** 2003 – 2008