Cameron Bibb

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👤 PROFILE

I am a software engineer with experience in JavaScript, TypeScript, Go, Ruby, PostgreSQL, and React. I recently created Willow, an open-source framework for creating change data capture pipelines. I use skills gained in seminary and honed in my previous career to logically and methodically break down complex problems and write clear, maintainable code.

🧩 EXPERIENCE

Creator, Software Engineer, Willow ⧉   2024 – present

Willow (willow-cdc.github.io ⧉) is an open-source framework for creating change data capture pipelines. It reflects database changes to a cache in near real-time.

- Developed framework to simplify change data capture pipeline creation from 9 steps to 4 steps.
- Designed and constructed a custom connector to transform events from Kafka and send to a cache (KafkaJS).
- Resolved Debezium configuration issues preventing multiple pipelines from connecting to the same database.
- Ensured Willow functions when provided a minimum privileged database user, avoiding the need to provide Willow with superuser privileges.
- Architected and implemented a RESTful API, facilitating pipeline creation and teardown (Express).
- Built pipeline management UI (React, Material UI).
- Authored comprehensive technical case study, detailing the motivation, architecture, and design decisions of the project (willow-cdc.github.io/case-study ⧉).

Software Engineer, Self-Employed / Personal Projects   2021 – 2024

Developed freelance and open-source applications including:

- Requests - A RequestBin clone for testing webhooks (JavaScript, React, PM2, DigitalOcean, Nginx, MongoDB).
- BackLog Update - A web app for organizing a videogame backlog (Ruby, Sinatra, PostgreSQL, HTML/CSS).

Media and Design, First United Methodist Church, Lexington, KY   2021 – 2023

- Maintained and edited websites across three church communities (HTML/CSS, WordPress).
- Installed and operated technical equipment for A/V and live streaming.

🧠 SKILLS

Back End
Node.js/Express, Ruby, Sinatra, PostgreSQL, MySQL, MongoDB, Redis, SQL, RESTful APIs, Go, TypeScript

Front End
JavaScript, React, MaterialUI, HTML/CSS, jQuery, Handlebars, Axios, TailwindCSS, Jest

Cloud
AWS, DigitalOcean, Heroku

Other
Git/Github, Docker, Apache Kafka, Linux, Bash, WebHooks, Object Oriented Programming, Debezium

🎓 EDUCATION

Launch School   2021 – 2024
Multi-year, mastery-based software engineering curriculum. Read more at launchschool.com/employers ⧉

Asbury Theological Seminary, M.Div.   2010 – 2016

Asbury Theological Seminary, M.A., Theological Studies   2010 – 2016

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