

James Westbrook

Software Engineer

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Skills

- Elixir ~ 3 years
- Phoenix/Phoenix LiveView ~ 3 years
- Postgres ~ 3 years
- HTML, CSS, Tailwind CSS ~ 3 years
- JavaScript/React.js ~ 3 years
- Flutter ~ 2 years

Work experience

Lead Software Engineer

Dec 2023 - Present

Local Fare Jax

- Responsible for designing and implementing a multi-tenant architecture for an existing business software suite, ensuring tenant-specific data handling in Phoenix LiveView workflows and subdomain-based isolation for MVC workflows.

Software Developer

Dec 2021 - May 2023

Or Equals

Projects:

Local Fare Jax - Grocery delivery subscription service

Tech Stack: Elixir, Phoenix, Phoenix LiveView, Ecto, Postgres, JavaScript, Tailwind CSS, Alpine.js

- Worked on a team of three developers to build an all-inclusive set of business software, including a membership portal, e-commerce platform, and an admin portal.
- Independently architected and developed a robust inventory management system for use in multiple application workflows.
- Designed and implemented a driver tipping feature set, leading to an additional \$7,000 in monthly revenue without increasing overhead costs.
- Implemented charge/refund processes through AuthNet via automated OTP workers.
- Led a zero-downtime data migration for 11,000 members from Farmigo to Local Fare Jax's software, using existing tables to build new data structures compatible with our proprietary system.
- Developed an email templating engine, enabling admins to dynamically inject application logic and data using generic placeholder tags.
- Independently designed and developed proprietary driver routing software using LiveView with OpenStreetMap, Leaflet, and custom JavaScript. Ensured excellent test coverage of JavaScript interop using a combination of ExUnit and Wallaby.
- Directed executive decisions regarding UX and UI for multiple feature sets, ensuring a user-centered design.
- Provided mentorship to an apprentice developer, aiding in their Elixir, Phoenix LiveView, and SQL education, while imparting domain-specific knowledge.
- Engaged directly with stakeholders to provide progress updates, brainstorm potential features, and diagnose bug reports.

TemboCPAs Bridge - Multitenant integration tool for Zoho CRM and QuickBooks invoices

Tech Stack: Elixir, Phoenix, Phoenix LiveView, Ecto, Postgres, Tailwind CSS

- Developed, tested, and QA'd multiple features for API bridge between Zoho Invoice API and Intuit API.
- Added detailed invoice line item support to API bridge.
- Added extensively to application test coverage, mocking with ExVCR.

Projects

[Local Fare Jax Routing Suite](#) - An all-inclusive set of software for optimizing, modifying, and monitoring delivery routes. Includes a mobile app for drivers to navigate to their delivery stops and provide status updates.

Technologies: Phoenix LiveView 0.16, OTP, Postgres, TailWindCSS, JavaScript, Java, OpenStreetMap, OpenRouteService, LeafletJS, SortableJS, Flutter, FlutterFlow, Dart, Wallaby, ExUnit, ExMachina

[LiveView Wordle](#) - Featured on [ElixirCasts](#) in a thirteen-part series. A clone of The New York Times' Wordle game, built with Phoenix LiveView and vanilla JavaScript.

Technologies: Phoenix LiveView 0.17, OTP, Postgres, DaisyUI, TailWindCSS, JavaScript, Wallaby, ExUnit, ExMachina, Ngrok

Education

Political Science

University of North Florida

Associate of Arts, General Studies

Florida State College at Jacksonville