

Bronson Avila

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Professional Experience

Klarity • Senior Software Engineer • 07/2022 – Present

Technologies: **Figma, GraphQL, Material UI, MongoDB, Node.js, Okta, Python, React, TypeScript, Webpack**

- Improving Klarity's main web app by building front-end features and handling performance optimizations.
- Resolving security vulnerabilities reported by Snyk to ensure the company remains SOC 2 compliant.
- Performing technical screening interviews for prospective senior front-end engineer candidates.
- Configured deployment pipelines with AWS, Azure DevOps, and GitHub Actions.
- Evaluated in-browser spreadsheet solutions and integrated SpreadJS to provide Excel-like functionality, which was a key requirement in securing a \$400,000 contract.
- Migrated a 5-year-old ejected CRA codebase to Rsbuild – reducing dev server startup times from ~25 seconds to ~5 seconds, and reducing production build times from ~8 minutes to ~2 minutes.
- Integrated Sentry error monitoring into Klarity's primary web application.
- Led the front-end development and design of Klarity's GPT-integrated demo: demo.tryklarity.com
- Led Klarity's WCAG 2.0 accessibility audit, drafted an accessibility conformance report, and resolved all outstanding issues necessary to ensure the company's success in securing a \$600,000 contract.

Bbot • Software Engineer • 01/2021 – 02/2022

Technologies: **AngularJS, Cypress, Django, Expo, JavaScript, MobX, Node.js, Python, React, React Native**

- Rebuilt the front-end of Bbot's web application (from AngularJS to React) as part of an effort to revamp the UI and UX of the application, which was ultimately purchased by DoorDash.
- Managed and edited technical documentation and development best practices.

Atlantic 57 • Developer • 11/2018 – 01/2021

Technologies: **Django, Highcharts, JavaScript, Node.js, PHP, Python, React, Storybook, WordPress**

Created responsive and accessible websites and web applications. Noteworthy clients include:

American Cancer Society

- Handled front-end development and project management for *The Cancer Atlas*, ensuring the website was completed under budget and on time for its unveiling at the 2019 World Cancer Leaders' Summit.

McChrystal Group

- Developed a front-end component library in Storybook, configured back-end Django models, and integrated Lever job listings and Mailchimp marketing campaigns into a redesigned website powered by Wagtail CMS.

Open Government Partnership

- Built a WordPress plugin and Google Apps Script to synchronize the website's database with 450,000 cells of Google Sheets data to be used in populating front-end content – effectively reducing a manual process that once consumed hours of daily effort to an automated task completed within 90 seconds.

Personal Projects

HI Lane AI • hilane.ai

- Displays road closures and AI-powered analysis on a Mapbox map built with Next.js, React, and TypeScript.
- Generates AI route analysis from road closure data using the Google Gemini API and Supabase Edge Functions.

Hawaii Attorney Database • hawaiiattorneydatabase.com

- Built a Node.js tool using Puppeteer and Google's Geocoding API to scrape and process attorney data.
- Developed a React web application for searching, filtering, exporting, and visualizing attorney data.
- Integrated Vitest and React Testing Library to ensure reliable continuous deployment on Netlify.

GPToDo • gptodo.app

- Built a React application that uses the Google Gemini API and Supabase Edge Functions to turn photos of to-do lists into interactive checklists.

Education

DevLeague • 2018

- Completed a 16-week (66 hours per week) full-stack web development bootcamp.

University of Hawai'i at Manoa – William S. Richardson School of Law • 2007 – 2010

- Juris Doctor (JD) • *Cum Laude*

Hawaii Pacific University • 2003 – 2007

- Bachelor of Arts (BA) • Justice Administration • *Summa Cum Laude*