

Brian Davidson

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Skills

Languages:

- Go
- JavaScript
- Ruby

Front End:

- JavaScript, HTML, CSS
- React, React Native, Redux, Babel, jQuery
- Sass, Less, Bootstrap

Tools & Platforms:

- Docker, Bolt, Git, Postgres, Nginx
- Webpack, Babel, Browserify
- Provisioning with Salt, Ansible
- Testing with Mocha, Karma, WebDriver

Open Source Projects

All of these projects can be found on my GitHub page at github.com/bsdavidson

- **Trimetric** – Real time stop and vehicle information for Trimet transit built with React, Go, Postgres, Kafka, and Docker.
- **Trimetric Mobile** – Android and iOS React Native apps for the Trimetric website.
- **Rong** – The game of Pong, in React.
- **Homebase** – A Go tool for updating Digital Ocean DNS records.
- **LogMonitor** – A Ruby/Backbone.js tool for monitoring log files in your browser.
- **Pressure** – A Ruby gem for broadcasting upstream data over websockets.
- **SimpleScore** – A Node.js server for adding leaderboard functionality to games.
- **Deathbot** – A JavaScript/Canvas project I used to learn more about collision detection and raycasting.

Work History

Williams Sound, LLC (2004 - Present) – www.williamssound.com

- Built a cross-platform, on-premise server application in Go and dashboard in React/Redux, used to monitor and manage hundreds of network connected devices in real-time. Includes proxying connections to devices over TCP and WebSocket connections, scheduling tasks, email reports and alerts, licensing, and integration with Prometheus.
- Built a prototype host application to control multiple USB devices using Go and Arduino.
- Built an iOS test application for the Hearing Hotspot audio over WiFi system.
- Developed a dashboard to visualize live usage statistics for Hearing Hotspot devices, with a frontend written in TypeScript and Angular 2, and a backend written in Go. Used Sass for styling.
- Built a responsive website with complete product, sales territory, and download management. Used Less for styling.
- Built custom tools in Go for importing/exporting products in Excel, CSV, and JSON formats.

- Built and released a PhoneGap app for iOS and Google Play to connect to a new network controlled assistive listening transmitter.
- Developed a Ruby backend server and WebSocket driven front end to connect and control multiple networked transmitters.
- Developed responsive AJAX driven web UI for an embedded microcontroller used in an assistive listening transmitter.
- Drupal backend providing content for native iOS and Android apps, with locally deployed caching servers.
- Provisioned both Linux and Windows virtual servers and rack mounted bare metal servers. Responsible for infrastructure capacity planning and network design to support hosted application servers.

Vegas Wedding Now (2006 - 2014) – www.vegasweddingnow.com

- Designed and built a website which allows you to create, customize and order weddings online, using Contao for content management.
- Developed JavaScript bridge between external shopping cart and website.
- Designed and built a custom application and database to handle the booking and tracking of weddings across multiple venues.

First Christian Church of Demopolis (2014) – www.fccdemopolis.org

- Designed and created the website for a local church. Custom WordPress templates for sections with editable content.

Demopolis Live (2005 - 2010)

- Built and maintained a local community web portal. Developed custom add-ons and features in PHP for vBulletin and Joomla.

Advanced Systems and Networks, Ltd (1996 - 2004)

- Developed inventory application for a multinational flooring company.
- Developed company website.
- Developed FileMaker application and database to handle customer accounts, inventory management, and service time tracking.
- Built multi-site WANs that spanned multiple cities.
- Data recovery and drive reconstruction.
- Server support (Windows, Unix, Novell)

Las Vegas Gaming Association (1998 - 2003)

- Designed community web portal, and developed web integrations with gaming servers.
- Maintained a cluster of co-located FreeBSD servers in a Cox Communications data center.