Benjamin Baldwin

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TECHNICAL Skills & PROJECTS:

Languages: JavaScript, Python, Java | **Front-end:** React, JSX, Tailwind, Bootstrap | **Databases:** MongoDB, MySQL, Mongoose | **Tools:** Git, GitHub, Postman | **GIS:** OSM, JOSM, OSMCha, Overpass API, QGIS, Esri ArcGIS Pro

Ecommerce App | *Full Stack Developer* | https://percussionpro.store/
Developed a MERN-based ecommerce drumming app with features such as admin login and registration, Multer for image handling, Stripe API for payment processing, and AWS for deployment.

- Implemented Multer to handle image imports in multi-part forms and set up AWS S3 bucket to enable viewable images on the client-side of the app.
- Integrated admin login and registration using JWT's to allow full CRUD functionality to admins for products and orders.
- Developed a pagination feature using React Bootstrap and MongoDB for an ecommerce MERN application, enabling customers to browse through products more efficiently and enhancing overall user experience.

Flight Reservation System | *Fullstack Developer* | *GitHub Repository*
Created a full CRUD Java flight reservation system app featuring an interactive seat picker, Stripe API for payment processing, login and registration for users, and full CRUD admin functionality for flights.

- Implemented the Stripe API to provide customers with a secure and streamlined payment processing experience by enabling real-time payment verification and processing, reducing the risk of fraud, and improving the overall user experience.
- Implemented secure login and registration features and designed intuitive user forms, enhancing the user authentication and data collection process for an airline reservation system application.

PROFESSIONAL EXPERIENCE:

GIS Team Lead / Analyst	*Apple via Mindlance*	Seattle, WA	2019 - 2022

- Identified potential biases in OpenStreetMap data during the early stages of the Russian invasion into Ukraine, leading to the recommendation and implementation of organization-wide changes to Apple Maps functionality. These changes improved the accuracy and reliability of Apple Maps for users by preventing potential bias from OSM data.
- Designed scalable workflows for Apple Maps and trained large teams of map editors, resulting in improved OpenStreetMap (OSM) data quality and an enhanced Apple Maps user experience. These efforts streamlined map editing processes, reduced errors and inconsistencies in OSM data, and ensured accurate and up-to-date maps for Apple Maps users.
- Created a MapCSS paint style in OpenStreetMap (OSM) that matched Apple Maps paint styles, providing the organization with more accurate and consistent data for highway reclassification decisions. This improved decision-making processes by ensuring that OSM data was aligned with Apple Maps data, resulting in better-informed decisions regarding highway classification.

RTLA Field Operative	*Stell Environmental*	Selah, WA	2018

- Collected data on vegetation growth across the Yakima Training Center to be used in an annual GIS report to the military detailing how the military's land use impacts native and invasive plant species regrowth.
- Ensured my team's safety by maintaining constant and effective communication with Range Operations so that my team could confidently and efficiently conduct our work around live fire zones.

EDUCATION:

Coding Dojo	*Full-Stack Developer Certificate*	Bellevue, WA	2022
• *Immersive Full-Stack Training Program in Python, C#, and MERN*	
Central Washington University	*GIS, Geography*	Ellensburg, WA	2016-2019
• *GIS Certificate, Bachelor of Arts, Geography*	