

Sam Washington Dev++

[Github Profile](#)[NPM profile](#)[Personal Site](#)[boon.land](#)

Highly motivated and persistently positive Developer with 8 years of experience designing and deploying performant, scalable, accessible applications.

Languages:

JavaScript, PHP, TypeScript, MySQL, HTML, SASS/CSS, [Spw](#), Python, PostgreSQL, Java, C++

Complements:

Software lifecycle management, accessibility testing, design sense

Senior Software Engineer

Property management

Ender

Austin, TX

2022 - 2022

Implemented and tested application features based on *low-fidelity specifications* using *React* and *SASS*.

Researched, measured, and developed *architectural strategies* for state-management, asynchronous processing, and UI components.

Developed an *incremental approach* to convert a pre-existing JavaScript application to *TypeScript*, using *Storybook* and *Mantine* to balance *development-velocity* alongside *process-driven quality assurance*.

React, Java
Implementation
Strategies
Architecture Design
Real Estate

Full-stack Developer

Business to business ecommerce

Mbira Technologies

Chicago, IL

2019 - 2021

Supported and updated a *semantically-versioned* vanilla *JavaScript* application with a *RESTful API* and asynchronous event binding.

Audited and corrected the markup and CSS of more than *20 custom websites* for *accessibility (ADA compliance)*.

Worked with *data scientists* to upgrade the *user experience (UX)* of a mature ecommerce web application, validating the results with *A/B testing*.

Wrote *unit* and *integration tests* to fulfill specified acceptance criteria in a *continuous integration/continuous delivery* (CI/CD) pipeline.

PHP 7, *JavaScript*

SASS/CSS

MySQL
Accessibility Testing
Ecommerce

Digital Applications Developer

B2B Retail-Industry publishing company

EnsembleIQ

Chicago, IL

2018 - 2019

Managed the full *software development life-cycle (SDLC)* of a React application which enabled context-sensitive theming of unpredictable content.

Supported over 20 *Drupal 8* and *Wordpress 5* sites having millions of combined monthly pageviews.

Worked on a team with Developers, Data Scientists, and Search Engine Marketers to *coordinate an implementation strategy* to consolidate and analyze data from several acquired brands.

PHP 7, *JavaScript*

React, Redux, D3

MySQL
Publishing

Web Developer

Local-service department at UIUC

University of Illinois Extension

Urbana, IL

2016 - 2017

Created *responsive* implementations of *design specifications*, updating the layout and content of static *HTML*, vanilla *PHP*, or *ColdFusion* pages.

Migrated a *learning management system (LMS)* to *Drupal*, enabling the University to scale its online community-education program across the state.

Migrated a *publication ordering and shipment application* from vanilla *PHP* to *Symfony 3*, removing pre-existing vulnerabilities.

Wrote a *PHP* module to coordinate disparate authentication structures (e.g. *LDAP*, *single sign-on*) across multiple applications.

PHP 5, *jQuery*

SASS/CSS

MySQL
XML, *ColdFusion*
Education

Software Architect

Software suite with a CRM and email marketing

Honor Services Incorporated

Naperville, IL

2012 - 2016

Designed and Developed features for *Customer Relationship Management (CRM)*, Event Scheduling, and *User Profile Administration* software using a *LAMP Stack*.

Maintained and updated *HTML*, *CSS*, and *JavaScript* to improve site accessibility and user engagement.

PHP 5, *jQuery*, *CSS*

MySQL
SAAS

Individual Professional Experience

manifolddocuseries.com

Web Developer for an anthology docu-series

- # Collaborated with a team of filmmakers to develop a digital content strategy for a website showcasing the work of each producer in this anthology docu-series.
- # Designed and developed the website, implemented and administrated the content management system.



2021

Client Work
Web Design
TypeScript
React, Strapi CMS
SVG animation
SASS/CSS
PostgreSQL

spwash.com

Creative development work for artists and entrepreneurs

- # Freelance work, often in collaboration with artists to develop cohesion towards community-centric creativity.
- # Built minimum viable products (MVPs) to seed and showcase high-level concepts, iterating over new designs using Storybook to tighten the development cycle.
- # Configured DNS records for websites, subdomains for static assets with Cloudflare, and SMTP mail.
- # Configured servers with Docker for containerized deployment, and NGINX as a reverse proxy for NodeJS and Python applications.

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bane.land

2017 - Present

Concept Design
Prototyping
Spec Writing
JavaScript
React, Strapi CMS
Python
Flask, OpenCV
Adobe Suite
XD, Illustrator
Analytics
Plausible
NGINX, Docker

Education

University of Illinois
Urbana-Champaign

2014 - 2017

Research

The Adult Learning Lab

Dr. Liz Stein-Morrow

2017

University of Illinois
at Urbana-Champaign

- # Served as a research assistant for an experiment examining cognition in older adults.
- # Introduced participants to the experiment, in which they were given an iPad to take home. Participants then used a custom-developed application to read novels or do brain-training puzzles for a set amount of time on a schedule.
- # Collected and anonymized data collected with proper consent from the participants. Regularly checked in with participants to ensure the application was functioning, and addressed points of concern or difficulty in its use.

The Photonic Systems Laboratory

Dr. Lynford Goddard

2015

University of Illinois
at Urbana-Champaign

- # Served as a research assistant for an experiment examining methods for etching silicon wafers using a photochemical process.
- # Used MATLAB to configure the setup of each device used, recording results of each experimental trial.
- # Participated in weekly roundtables discussing research goals, needs, and methods with other undergrads, postdocs, and the lead principal investigator.