

TECHNICAL SKILLS

Languages	Javascript, Typescript, PHP, Ruby, Rust, Python, HTML, CSS, SQL
Databases/APIs	PostgreSQL, MySQL/MariaDB, DynamoDB, Elasticsearch, NoSQL, Redis, REST, GraphQL
Frameworks	Symfony, Rails, VueJS, React, Electron, Bootstrap
Software	AWS, Kubernetes, Docker, Git, Linux

EXPERIENCE

Software Engineer II Feb 2023 — Present
Scientist.com Remote

- Developed a comprehensive interface for managing accounting records in their flagship Ruby on Rails platform, enabling monthly reconciliations
- Incorporated ML-based predictions of contracts, leading to improved time and cost predictions
- Integrated Rippling SAML SSO into their custom Rust-based Kubernetes manager for more secure deployments

Fullstack Developer Apr 2021 — March 2023
Prof. Erik Hesse at University of California, Berkeley Contract

- Engineered a custom end-to-end encrypted and fingerprinted printing architecture, reducing distribution costs by 95%
- Developed a Symfony-based website (mainattachment.org) as a user management platform for people training to classify Adult Attachment Interviews (AAI) and administer certification tests.
- Built and deployed an Electron program to receive, decrypt, and print test cases for users undergoing AAI reliability tests.
- Maintained Cloud-based services such as EC2 instances, SES, Route 53, and S3 to provide the website and printing program.

Software Engineer Jul 2021 — Jan 2023
Ology Newswire, Inc. Remote

- Architected from the ground up a CLI tool ([psqr](#)) for creating did:psqr identities, crawling websites, and publishing signed articles using Typescript and NodeJS.
- Constructed a backend API ([psqr-api](#)) for hosting identities and article feeds using Symfony and Elasticsearch for article similarity.
- Utilized Named Entity Recognition using Spacy3.0 for news article keyword matching in a custom Python tool
- Designed a VueJS progressive web app (PWA) ([ology.com](#)) for displaying articles from feeds and maintaining an identity.

Software Engineer Jun 2016 — Jun 2021
NewPress LLC Remote

- Constructed a pipeline for Liquid Social to automatically ingest content from partners and generate Android TV, Amazon Fire TV, and Roku apps to view content.
- Assisted [memes.com](#) with website development and created a REST API and a GraphQL API for site management.
- Collaborated on a Symfony-based CMS that generates websites with Google AMP & Facebook Instant Articles support.

EDUCATION

University of Maryland Global Campus, Baltimore, MD
Bachelor of Science, Computer Science GPA: 3.9

PROJECTS

Gift of the Magi (GOTM) React, DynamoDB, Tailwind

- Developed a gift wishlist web application ([GOTM](#)) as a React SPA, utilizing custom React components styled with Tailwind.
- Implemented data management using a DynamoDB backend to prevent duplicate gifts and enable efficient event-based wishlist creation (e.g., Christmas or birthdays).

Scaffolio Bootstrap, CSS, Twig, JSON

- Transformed personal website into a versatile [twig-based portfolio generator](#) using Twig templates and custom Bootstrap styling.
- Utilized static JSON files for simple editing and management of site content and data storage.

Music Scan Visualizer VueJS, Javascript, Flask, Python

- Constructed a dynamic [VueJS PWA](#) for exploring and visualizing clusters of songs grouped by audio features from CNNs.
- Built-in filtering capabilities for discovering songs belonging to multiple genres.