

# MEGAN WHITELAVICH

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## PROFESSIONAL SUMMARY

- A versatile full-stack engineer with broad startup experience, thrives in a fast paced adaptable environment, and always looking for the next challenge
- A results-driven professional with a track record of consistent delivery and effective self management

## KNOWLEDGE AREAS

- React/ React Native/ Vue / Svelte
- Javascript/ Typescript
- QA/Testing: Jest, Mocha, Playwrite, Puppeteer
- DevOps: CDK, CloudFormation
- Cloud Expertise: AWS
- Strategic Planning: Designing and aligning technology with company goals
- Languages: Node.js, Python, C#, and more

## ACCOMPLISHMENTS

- Built a Svelte Shopify app deployed on over 10,000 stores and used by more than 2 million users
- Built a Vue.JS CRM and marketing application used by Fortune 500 clients such as Berkshire Hathaway brands
- Built statistics APIs used and trusted on pages owned by Saks Fifth Avenue, Walmart, and other major brands

## PROFESSIONAL EXPERIENCE

**EcoCart Sciences, Inc.,** *San Francisco, CA*

January 2022 - December 2023

### Senior Software Engineer

- Managed and optimized CDK infrastructure, ensuring robust and scalable foundations for applications for thousands of customers.
- Extended CDK infrastructure to cover 3 new services with code-defined CloudFormation templates, and continuous delivery via Github Actions.
- Successfully transitioned CI/CD processes to Github Actions, resulting in a 75% improvement in deployment time.
- Enhanced pipelines by incorporating comprehensive end-to-end (e2e) and unit tests, before generating cloudformation templates, ensuring code reliability.
- Spearheaded crucial Infrastructure and APIs for the Front End, including various CRUD Rest APIs, Statistics Rest APIs, and User Authorization APIs experienced by more than 10 thousand calls daily per API.
- Established the groundwork for a React-Native Front End, contributing to many future development initiatives, including increasing transparency into our fundable projects, allowing for self service, and automatic configuration of our widgets.
- Enhancing the efficiency of internal Node tools, in some cases up to 80% by automating the configuration of our widgets.
- Built a Svelte Shopify app hosted on over 10 thousand clients' websites, ensuring seamless integration and functionality with a defensive coding approach.
- Optimized Dynamodb and Redshift (Postgres) usage, ensuring data integrity and performance.
- Proactively addressed, queued and resolved issues from the Customer Support team, ensuring timely and effective solutions.
- Helped on-board 2 new team members, showing them the tech stack, intricacies, and helping to find the pitfalls of the projects they worked on

**MXTR Automation, Inc.,** *Williamsport, PA*

August 2019 - December 2021

- Built a Vue-JS Front-End Dashboard based off product ideas from founders
- Took charge of a frontend Team focusing on expanding the product to be more self service, through the use of Statistical summaries, Hierarchical management of their franchise structure, and an email automation tool allowing for customization of templates sent from up to 500+ franchise locations.
- Worked Closely with founders on product design
- Identified market trends and helped to align their vision with strategic objectives and market demands.
- Updated, Upgraded and Extended C# Lambdas to boost performance by up to 70%
- Worked with Director through a data migration for a top client, ensuring continued functionality through a major migration of their in house tooling.
- Maintained and extended data architecture for company, ensuring normality using a tree structure within postgresSQL
- Launched several new product pages and features including email based Lead Routing and Alerts reducing the number of missed leads by 65%
- Delivered Reports to stakeholders using postgres, node, and python enabling data-driven decision-making and enhancing operational efficiency
- Maintained complex tree with 15 thousand plus nodes and geographic information data structures and visualized data in Vue using collapsing trees and a heat map showcasing the location of leads as they pertain to individual franchises

## PRODUCT GALLERY

#### EcoCart

- Statistics API - carbon calculation
- [Shopify App](#) - [very popular](#) e-comm app

#### MXTR

- Routing - marketing platform similar to Twilio
- CRM - overhauled existing product

#### **EDUCATION**

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**Pennsylvania College Technology Williamsport, PA**

*Software Development & Information Management*