

Michael Frederickson

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TECHNICAL SKILLS

Languages - Javascript, Python, SQL, PostgreSQL, HTML, CSS, GraphQL

Libraries - React, React Hooks, Redux, Vite, Zustand, Tailwind, jQuery

Frameworks / Tools - Next.js, Node, Express, Jest, Django, Flask, SQLAlchemy, unittest, VSCode, Git, Github, WtForms, SSH, JSON Schema, Axios, Figma, Postman

SOFTWARE ENGINEER EXPERIENCE

Full Stack Software Developer

June 2024 – Oct 2024

Vital Time Tech

Lehi, UT (Remote)

- Developed custom software applications for clients, leveraging technologies such as Next.js, PostgreSQL, and GraphQL.
- Created highly tailored front-end web applications based on clients' custom Figma designs, ensuring pixel-perfect implementations.
- Quickly learned and adapted to new technologies to fit the needs of the current project.
- Assisted in the design and development of "**Avatar Metal Works**" – a custom web application that automated inventory tracking, task creation, and optimized employee workflows.
- Contributed extensively to "**Vacaay**" – a large-scale, complex social media platform for tracking, planning, and sharing vacation experiences, handling numerous features and resolving tickets.
- Collaborated directly with clients to understand project goals, establish budgets, and define project scopes.

Software Engineer Intern

Sep 2023 – Oct 2023

Rithm School

Los Angeles, CA (Remote)

- Incorporated additions and changes to Rithm's Student Information Systems code base and application, handled over 15 bug-fixes, new features, and tests across 3 weeks
- Developed a Python-based feature that interfaced with Slack's API to notify a Cohort's Slack channel when new course material is published; enhanced student interaction by 20%
- Engineered feature to flag user profile information as "Public" or "Private" using HTML and conditional logic within view function
- Solved issue with database to frontend time conversion that was causing approximately 20% of the admin panel to display incorrect datetimes
- Learned essentials of Django framework and Slack's API in under 2 days using official documentation in order to work on codebase

TECHNICAL PROJECTS

Company Detailing Web Application ("Jobly")

[Github](#)

- React frontend, Express backend, React Router for website navigation
- Backend database infrastructure complete with class methods for interacting with database
- Node middleware to handle authentication and authorization for admins, users, and non-users
- Implemented Express backend RESTful API for fetching companies, jobs, single company details

TECHNICAL PROJECTS CONT.

Photo Sharing Application (“Pixly”)

[Github](#)

- Created a web application for sharing and uploading images using React, React Router, and Python
- Frontend accepts image files, uploads to AWS cloud, sends link and select metadata to database using FormData object
- Homepage populated with all uploaded images using AWS cloud links from database
- Search functionality that uses controlled forms and useState hook to narrow down results

Social Media Web Application (“Warbler”)

[Github](#)

- Designed and wrote a relational database to handle users, followed-users, and likes
- Included authentication/authorization functionality in view functions to improve website security
- Included “Like” functionality using conditional logic in Jinja HTML and “many-to-many” data from DB
- Engineered an edit-profile feature, utilizes form action to update user info

ADDITIONAL WORK EXPERIENCE

Document Specialist

Dec 2019 – Dec 2022

Purple

Alpine, UT

- Designed and wrote documents including process guidelines and productivity tracking spreadsheets, improving tracking accuracy by ~15%
- Updated workflow processes to improve safety and efficiency, reducing workplace accidents and mistakes by ~20%
- Delivered feedback to engineering team to improve productivity software, simplifying productivity spreadsheets and reducing time required to track production by ~20%

Office Manager

May 2015 – Oct 2018

Carmax

Las Vegas, NV

- Managed Business Office team of 20+ associates, mentored and trained over 15 employees
- Facilitated a streamlined car-purchasing workflow, reducing average purchase-time from 25 to 20 minutes
- Leveraged software to handle asset follow-up and retention; helping reconcile over 1000 vehicle records
- Managed the running of departments including the Service department; this allowed ~20% more availability in the service department for customers

EDUCATION

Rithm School

Graduated 2023

San Francisco, CA (Remote)

Full Stack Web Development Bootcamp

Key Takeaways

React, Python, Flask, PostgreSQL, JavaScript, Django, Node, Express

Database Design

Real-world Git and GitHub workflow

Teamwork / collaboration

APIs / REST philosophy and best practices