Michael Frederickson

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SUMMARY

Full-stack software engineer with 2+ years of professional experience building and maintaining production web applications with **React**, **Next.js, TypeScript, GraphQL, PostgreSQL, and AWS**. Experienced in developing ecommerce features, internal tools, API integrations, content systems, and responsive user interfaces. Strong background in client communication, technical documentation, and translating business requirements into maintainable software solutions.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, SQL, HTML, CSS
Frontend: React, Next.js, Redux Toolkit, Zustand, Tailwind CSS
Backend & Data: Node.js, Express, GraphQL, REST APIs, PostgreSQL, MySQL, DynamoDB
Cloud & Tools: AWS, Amplify, AppSync, Cognito, S3, CloudFront, Git/GitHub, Vercel, Figma
AI Assisted Development: Claude AI, ChatGPT

PROFESSIONAL EXPERIENCE

Full Stack Software Developer
Sapa Investment Group – Salt Lake City, UT | Jul 2025 – Present

- Build and maintain production web applications using **Next.js, React, TypeScript, Tailwind CSS, GraphQL, and AWS**
- Develop customer-facing and internal features across **ecommerce, loyalty programs, promotions, appointment scheduling, content management, referrals, and administrative workflows**
- Integrate third-party APIs and cloud services including **AWS Amplify, AppSync, Cognito, DynamoDB, S3, CloudFront, Alpine IQ, and Acuity Scheduling**
- Design reusable React components, utilities, and shared application architecture to improve maintainability and accelerate development across multiple applications
- Build **GraphQL queries, mutations, API routes, and cross-application integrations** to support reliable data flow between frontend, backend, and third-party systems
- Improve **SEO, performance, and user experience** through dynamic metadata, structured data, optimized rendering, caching strategies, and responsive image handling
- Use **Claude and ChatGPT** for AI-assisted development, code review, debugging, technical research, test planning, and documentation

Full Stack Software Developer

Vital Time Tech – Lehi, UT (Remote) | June 2024 - Dec 2024

- Developed custom client applications using **Next.js, React, GraphQL,** and **PostgreSQL**
- Implemented Figma-based designs as responsive, pixel-accurate UIs
- Led frontend and backend development of **Avatar Metal Works**, an application that automated inventory tracking and operational task workflows.
- Contributed 20+ frontend and backend features to **Vacaay** – a complex, vacation-planning social app
- Collaborated directly with clients to understand project goals, establish budgets, and define project scopes
- Adopted new technologies including **GraphQL, Next.js, and Redux** across active client projects and production codebases

Software Engineer Intern

Rithm School – Los Angeles, CA (Remote) | Sep 2023 - Dec 2023

- Contributed 20+ features and bug fixes to Rithm's student portal using **Django** and **Python**
- Built a Slack integration for publishing coursework notifications
- Enhanced profile privacy logic and fixed time formatting affecting roughly 20% of the admin dashboard
- Integrated with the **Slack API** and contributed to an unfamiliar Django codebase within the first days of the internship

TECHNICAL PROJECTS

Budget Planning App – Github | Usable Demo

- Built a full-stack personal finance application using **Next.js, Node.js, PostgreSQL, Tailwind CSS, and Zustand**
- Designed calculation logic for annual, monthly, and biweekly expenses and income
- Implemented flexible payment sorting, budgeting summaries, and debt tracking for loans and revolving credit

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

ADDITIONAL WORK EXPERIENCE

Technical Writer

Purple – Alpine, UT | Oct 2019 - Dec 2022

- Created technical documentation, process guidelines, training materials, and productivity tools for operational teams
- Improved internal workflows in collaboration with management to increase efficiency and standardization
- Partnered with engineering by reporting software issues and providing feedback on internal productivity systems

Office Manager — CarMax

Las Vegas, NV | May 2015 – Dec 2019

- Managed and trained a 20+ person business office team and improved operational workflows, including reducing average vehicle purchase processing time from 25 to 20 minutes.

EDUCATION

Rithm School – Full Stack Web Development Bootcamp

San Francisco, CA (Remote) | Graduated 2023

Topics: React, Node, Express, Python, Flask, Django, PostgreSQL, REST APIs, Git, Github