

# Zachary Howell

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## PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 4+ years of experience building responsive, scalable web applications and automation systems. Skilled in React, Angular, JavaScript, Python, Java, Firebase, MongoDB, and cloud-based integrations. Proven ability to design and deploy platforms end-to-end—including frontend architecture, backend data processing, automation pipelines, API integrations, and secure cloud deployments. Strong problem solver with experience diagnosing complex technical issues, improving system performance, and collaborating cross-functionally to deliver reliable engineering solutions.

## EXPERIENCE

### Founder & Lead Full-Stack Developer, Claw and Decay Clothing

01/2024 – Present | New Berlin, WI

- Architected and developed a full-stack e-commerce platform using React, Firebase, Stripe, Printify, and Netlify, enabling end-to-end product browsing, cart management, and secure checkout.
- Built a responsive frontend using React, TailwindCSS, and Vite, implementing optimized components, modern UI patterns, and mobile-first design.
- Designed backend architecture including Firestore data models, authentication, serverless functions, secure API handling, and environment-based secret management.
- Integrated Stripe for payments and Printify for fulfillment via automated workflows and reliable API communication.
- Managed domain registration, DNS configuration, SEO indexing (sitemap/XML), and CI/CD deployment through Netlify.
- Troubleshooted and resolved platform issues including checkout errors, API failures, and real-time data inconsistencies.
- Oversaw full product lifecycle—from concept and code to deployment, optimization, and ongoing maintenance.

### Software Engineer (Automation & Integrations), North American Fulfillment

08/2021 – 08/2025 | Brookfield, WI

- Developed and maintained client-facing web applications using Angular and JavaScript, improving UI performance and resolving technical issues across multiple accounts.
- Engineered Python automation pipelines to process, transform, and validate customer datasets before securely transferring files via SFTP into internal systems.
- Created Java-based ETL tools capable of parsing XML/CSV/TXT files, executing deduplication, sorting, formatting, and dynamic rule-based transformations.
- Built backend utilities integrating AWS S3 and RESTful APIs to support scalable data workflows and reduce manual processing.
- Managed system-level file processing operations, debugging complex data errors and ensuring high system reliability.
- Served as the primary technical contact for over 60 client accounts, diagnosing integration issues, API failures, and data inconsistencies.
- Led end-to-end onboarding for new SaaS clients, implementing integrations, configuring workflows, and ensuring their systems were production-ready.
- Administered internal infrastructure including ShareFile permissions, DNS updates (GoDaddy), and secure environment configuration.

## EDUCATION

### Full Stack Web Development Bootcamp Certificate, UWM Extended Campus

Online

24-week intensive program focused on MERN stack, modern JavaScript, and backend development.

## TECHNICAL SKILLS

### Languages

JavaScript (ES6+), Python, Java, SQL, Bash, XML

### Frontend

React, Angular, JSX, HTML5, CSS3, TailwindCSS, Bootstrap, Vite

### Backend

Node.js, Express.js, Firebase Functions, REST APIs, GraphQL

### Databases

Firebase Firestore, MongoDB, MySQL

### Cloud & Infrastructure

AWS S3, Netlify, Heroku, SFTP server management, DNS administration

### Automation & Data Processing

Python scripting, Java ETL pipelines, SFTP automation, XML/CSV/TXT parsing

### Tools

Git, GitHub, Postman, Netlify environment variables, Google Secrets Manager

### Integrations

Stripe, Printify, 3rd-party API workflows