

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

Backend

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

Cloud & Infrastructure

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

Tools

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

Frontend

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

Databases

Firebase Firestore, MongoDB, MySQL

Automation & Data Processing

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

Integrations

Stripe, Printify, 3rd-party API workflows