

ZACHARY HOWELL

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Portfolio: <https://zhportfolio.netlify.app>

SUMMARY

Versatile Full Stack Developer and Data Analyst with over 3 years of professional experience in automating data workflows, building web and desktop applications, and managing file processing operations in production environments. Skilled in Python, Java, and JavaScript, with a strong foundation in the MERN stack, and a passion for integrating systems across diverse platforms and technologies. Adept at designing custom solutions including SFTP automation tools, advanced file conversion pipelines, and internal web tools that improve business efficiency. Collaborative, detail-oriented, and driven to continually learn and master emerging technologies in the fields of software development and data engineering.

TECHNICAL SKILLS

Languages & Scripting: JavaScript (ES6+), Python, Java, SQL, XML, Bash

Front-End: Angular, React, JSX, HTML5, CSS3, SCSS, jQuery, Bootstrap

Back-End: Node.js, Express.js, 4D, Firebase Functions, GraphQL

Databases: MongoDB, MySQL, Firebase, 4D Database

Tools & Platforms: Git, GitHub, Docker, Netlify, Heroku, GoDaddy DNS, ShareFile

Automation & Data Processing: Python scripting, Java-based ETL systems, SFTP automation, XML data handling

API Integration: RESTful APIs, GraphQL (with Angular), Stripe

Version Control & Deployment: Git, GitBash, GitHub, Netlify, Heroku

Other: Cross-language application integration, advanced file handling (.csv, .txt, XML), system administration, internal tool development

EXPERIENCE

Data Analyst/Programmer

North American Fulfillment – Brookfield, WI | 2021 – Current

- Oversee file processing operations across multiple database applications and servers, ensuring accurate data delivery and resolving processing errors.
- Managed company accounts, including ShareFile (user administration, permissions) and GoDaddy (DNS settings).
- Scheduled and executed data extraction tasks within a database environment and supported customers using an in-house web application.
- Served as a primary developer, creating and maintaining multiple applications in Python and Java, including SFTP automation tools, network printer data collection scripts, and a Java-based advanced file processing system that handles diverse data formats (.txt, .csv, etc.) and executes complex operations like XML-driven conversion, deduplication, sorting, and data extraction.
- Utilized various languages and technologies, including Python, 4D, Java, and XML, to develop cross-language solutions for integrating diverse applications and workflows.

Manager

Upper Crust Pizza – Whitefish Bay, WI | 2018 – 2021

- Managed and led a 6-member employee team, upholding company standards and operational goals.
- Organized orders and maintained timely service while strengthening customer relations.

EDUCATION

Full Stack Web Development Bootcamp Certificate

UWM Extended Campus – Online

A 24-week intensive program focused on the MERN stack and technical programming skills in HTML5, CSS3, JavaScript, jQuery, Bootstrap, Node.js, MySQL, MongoDB, Express, Handlebars.js, and ReactJS.