

Thomas Christopher Zichko

Software Developer

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SUMMARY

Software developer with a passion for innovation and a proven track record of developing and delivering high-quality software solutions using a diverse range of technologies. Proficient in programming languages such as Python, Pandas, Pyautogui, Node.js, Next.js, React.js, and TypeScript. Experienced in working with cloud platforms like AWS (API Gateway, Lambda, S3, and SQS) and microservices architectures. Possesses expertise in building and maintaining ETL pipelines and working with SQL (MySQL, PostgreSQL) and NoSQL (MongoDB) databases. Strong proficiency in front-end and back-end web development using the MERN stack (MongoDB, Express.js, React.js, Node.js). Adept in version control using Git, GitHub, and GitHub Actions. Familiar with project management methodologies such as Agile and Scrum. Additional skills include API integration, Zoho CRM integration, WordPress development, consulting, and tutoring. Strong recommendation letter available from Graham Ross, Head of A.I. & Data Science at OpenData Belfast.

EXPERIENCE

Melken Solutions, Florida — Logistics Technician

December 2023 – Present

Managed the logistics of multiple concurrent projects, including disassembly/assembly of electronic systems, inventory control, and technical documentation. Maintaining custom-built software along with managing third-party software tools utilizing their built-in languages to meet our custom needs.

ZichKoding, Florida — Software Engineer

February 2021 – PRESENT

Creating websites and progressive web applications (PWAs) along with maintaining and updating websites. Also, providing consulting and tutoring.

Frontline Insurance / OpenHouse Home Insurance, Florida — Full Stack Cloud Developer

May 2022 – November 2023

At Frontline Insurance's OpenHouse project, I played a crucial role in analyzing Zoho CRM data, redesigning the WordPress site for Zoho CRM integration and automated callbacks, establishing an ETL pipeline for

SKILLS

Python
Pandas
Pyautogui
AWS (API Gateway, Lambda, S3, and SQS)
Microservices
Vercel
CMS
ETL Pipelines
SQL
NoSQL
Next.js
Node.js
MERN
TypeScript
Git
GitHub
GitHub Actions
WordPress
Zoho CRM
Agile
Scrum
Waterfall
C#
VBScript

Zoho CRM, and initiating the migration from WordPress to Next.js.

NRT Methodologies, Cape Canaveral Space Force Station — Lead Plant Operator

October 2019 – April 2022

Proficiently managed the Chemical Synthesis Skids as a temporary Site Manager, ensuring optimal functionality and enhancing site operations. Conducted regular maintenance and troubleshooting, utilizing SCADA systems to maintain asset performance.

Edpresso | Educative, Remote — Technical Writer

May 2021 – May 2022

Developed interactive technical documents for python modules on Edpresso|Educative, consistently delivering high-quality work that required minimal editing. Recognized as a top contributor, even being featured on their podcast.

United States Marine Corps, USA — Non-commissioned Officer/Squad Leader/Combat Engineer

January 2015 - January 2021

Exhibited exceptional leadership skills during major training exercises, earning recognition for effectively training Marines in Combat Engineering tasks and ensuring their success in challenging environments. Possesses specialized expertise in design, construction, maintenance, and demolition of various equipment and structures.

EDUCATION

University of Central Florida, Florida — Full-Stack Web Development

August 2021 - February 2022

- Certificate in Full-Stack Web Development from the University of Central Florida

FreeCodeCamp.org, Remote — Scientific Computing with Python

August 2020 - February 2021

- Certificate in Scientific Computing with Python from FreeCodeCamp

REFERENCES

Gerry Kerly – Lead Software Developer:

gerrykerley@gmail.com

Graham Ross – Head of A.I. & Data Science:

rossi_1114@hotmail.co.uk