

# THOMAS WHITWORTH

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## PROFESSIONAL EXPERIENCE

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### Senior Ambassador, Starcoin Blockchain

Mar 2022 — Present

Key role in nurturing and growing the open-source community

- Established and led regular community calls to facilitate open communication and collaboration among community members.
- Implemented strategies to enhance community engagement, resulting in an increase in active participants.
- Organized and hosted virtual events, webinars, and workshops to educate and inform the community about the latest developments from the Starcoin Team.

### Proof of Work Mining Operation, Founder

Nov 2017 — Present

Founded and managed ASIC/FPGA/GPU mining operation since 2017

- Implemented robust monitoring and automated maintenance protocols to guarantee 24/7 uptime
- Applied overclocking techniques to optimize hardware performance to achieve higher hash rates and enhance overall mining efficiency.
- Effectively manage operational costs, including electricity consumption and equipment maintenance expenses, to maximize profitability.

## EDUCATION

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### Associates in Applied Science, Computer Information Systems

2021 — 2023

Johnson County Community College

## TRAINING

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- **Course:** [A Beginner's Guide to Open Source Software Development](#) | **Provider:** Linux Foundation
- **Course:** [Kubernetes and Cloud Native Essentials](#) | **Provider:** Linux Foundation

## CURRENT PROJECTS

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- Capstone Project: [CartBuilder](#) (Python-Django, Vanilla Javascript, Bootstrap, SQLite)
- Encrypted Multiple User Chat [Application](#) (Vanilla Javascript)
- Microcontroller [Project](#) (Go, TinyGo, MicroPython)
- [Advent of Code 2023](#) (Go)

## FRONTEND SKILLS

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- Javascript/TypeScript: Async/Await/Promise pattern for web requests, DOM Manipulation, Event Handling, API Interactions(fetch/axios)
- Frameworks: HTMX, React + hooks, Svelte, Bootstrap, Tailwind
- HTML/CSS: Proficient in Semantic HTML, Forms and Input Handling, Creating different layouts using CSS including Flexbox and Grid systems, Familiarity with Media Queries, and Responsive Design.

## BACKEND SKILLS

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- Go, C++, Rust, C#, Python, Javascript/NodeJS, SQL, NoSQL, Bash
- RESTful API Development in Go using (Gin, Echo, FastHttp) and Python using (Django, Flask)
- Proficient in MySQL, PostgreSQL, and SQLite databases
- Microcontrollers: Expertise in handling input/output operations and interfacing with sensors and actuators; primarily with MicroPython and TinyGo using Raspberry Pi Pico W
- Tools: Docker, Kubernetes, Git, Slack, Jira, Postman, Figma, Prometheus