Colin Knapp

Focus: Tool Building & Software Development

Location: Kitchener-Waterloo, Ontario, Canada
Contact: [Contact via MotherboardRepair.ca](#)

Professional Summary

Prolific software developer and tool builder with a track record of creating impactful open source projects achieving 10M+ downloads. Expertise in building performance-critical applications, CI/CD infrastructure, and custom automation tools. Strong background in Java, Python, Docker, and modern web technologies with a passion for solving complex technical challenges.

Key Achievements

- **Open Source Impact:** Co-created [FastAsyncWorldEdit](#) and [PlotSquared](#), enabling massive transformative edits—scaling from 50,000 server-crashing edits to billions without interruption.
- **Download Scale:** Built tools powering a $2 billion game brand with 10M+ downloads and global contributor support.
- **CI/CD Pioneer:** Established Jenkins CI/CD infrastructure in 2013 that continues running the IntellectualSites open source ecosystem today.

- **Security Tooling:** Created Docker-based utility for automated [WordPress malware removal](#) and hardening, reducing infection frequency from daily to zero.
- **Privacy-Focused Development:** Led development of [OhMyForm](#), an open source Google Forms alternative achieving 1.5M+ Docker pulls.

Notable Tools & Projects

[FastAsyncWorldEdit](#)

664+ GitHub stars | Performance-critical Minecraft world manipulation

- Improved world manipulation performance enabling billions of seamless edits
- Implemented security improvements and performance optimizations for large-scale operations
- Created async architecture to prevent server crashes during massive operations

[PlotSquared](#)

572+ GitHub stars | 809+ forks | Land management system

- Co-developed comprehensive land management plugin for Minecraft servers
- Built permission system and plot claiming mechanics for millions of users
- Established sustainable open source project with paid maintainers

[OhMyForm](#)

1.5M+ Docker pulls | Privacy-focused form builder

- Led development of open source alternative to Google Forms and Office 365
- Enabled data sovereignty and privacy-focused form building for organizations
- Successfully sunset project and transitioned users to Formbricks

WireGuard Mesh Networking Tool

Infrastructure automation | Quantum-resistant networking

- Developed tool to simplify deployment of mesh networks vs traditional hub-and-spoke
- Created infrastructure tooling for quantum-resistant networking solutions
- Built automation for complex multi-node VPN configurations

WordPress Malware Eradication Tool

Docker-based | Security automation

- Created Docker-based utility for automated malware detection and removal
- Implemented hardening measures to prevent reinfection
- Deployed to protect client sites from persistent cyber attacks

Ad Marketing Link Tracking Tool

Full-stack development | Creator monetization

- Built comprehensive ad campaign management system for content creators
- Designed real-time revenue monitoring and campaign performance tracking
- Implemented secure payment processing and data handling

Technical Skills

- **Languages:** Java, Python, JavaScript/TypeScript, Bash, SQL
- **CI/CD:** Jenkins, Woodpecker CI, GitLab CI/CD, GitHub Actions
- **Containerization:** Docker, Docker Swarm, container orchestration
- **Infrastructure:** Salt Stack, WireGuard, DNS, bare-metal servers
- **Web Technologies:** HTML5, CSS3, Node.js, REST APIs
- **Version Control:** Git, Gitea, GitHub, GitLab

- **Testing:** Unit testing, security scanning, automated QA

Open Source Contributions

- [PlotSquared](#) – Land management system
- [FastAsyncWorldEdit](#) – High-performance world editing
- [OhMyForm](#) – Privacy-focused form builder (sunset)
- [PlotHider](#) – Plot visibility management

[View Full Portfolio →](#)

Accessibility: This website is designed and developed to meet WCAG 2.1 Level AAA standards, ensuring the highest level of accessibility for all users. Features include high contrast ratios, keyboard navigation, screen reader compatibility, and responsive design. The site supports both light and dark modes with automatic system preference detection.