Colin Knapp

Focus: Tool Building & Software Development

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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

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