

Roger Waggoner

Full-Stack Developer | Linux / DevOps
Greensburg, PA (Open to Remote)

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PROFESSIONAL SUMMARY

Full-stack developer focused on TypeScript/React and Node.js/Express with strong PHP experience and a Linux systems administration background. Comfortable owning features end-to-end: API design, database-backed services, UI work, deployments, and production operations.

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, PHP, C/C++, C#
Frontend	React, HTML5, CSS3, responsive UI
Backend	Node.js, Express, REST APIs, PostgreSQL, database design
Infrastructure	Linux administration, Docker, Git, CI/CD, monitoring, automated backups

PROFESSIONAL EXPERIENCE

Full-Stack Developer & Systems Administrator <i>Independent / Contract</i>	2023–Present
<ul style="list-style-type: none">Architect and operate a production web platform; deliver features across the stack (TypeScript/React UI and custom PHP modules).Implement automated backup, monitoring, and deployment workflows; maintain reliable releases through CI/CD.Administer Linux systems and developer tooling (Git, containerized services) to support ongoing development and operations.	

Quality Assurance Engineer (Contract) <i>Artificer Studios</i>	Jun 2022–Aug 2023
<ul style="list-style-type: none">Performed comprehensive testing for unreleased games.	

SELECTED PROJECTS

- URL Shortener** — TypeScript/Express/React/PostgreSQL service with URL revocation, domain blacklist, and click analytics. Includes automated tests (vitest) and a Docker Compose setup.
- MicroRules** — A tiny expression DSL for C# that parses and compiles expressions into executable functions at runtime; includes examples, benchmarks, and tests.
- OMF Parser** — Python parser/dumper for Relocatable Object Module Format (OMF) files based on the TIS specification; aims for standards compliance.

EDUCATION

University of Pittsburgh — Bachelor of Computer Science	2015–2017
Community College of Westmoreland County — Associate of Science	2012–2014

Portfolio writing and technical notes available at hk47196.github.io (reverse engineering, Ghidra, and systems topics).