Jordon Leach

Senior Software Engineer

Glen Rock, Pennsylvania, United States
(717) 781-7700
jordonleach@gmail.com
[Personal Website](#) | [GitHub](#)

Profile

Innovative Senior Software Engineer with extensive expertise in UI development, lifecycle management, Kubernetes, and GitHub. Proven track record of leading projects, optimizing deployment processes, and contributing to open-source communities. Promoted for exceptional performance and leadership in software engineering. Manage and maintain a personal homelab server, hosting various projects with Kubernetes and Rancher, showcasing hands-on experience with deployment and cluster management.

Employment History

Senior Software Engineer, SUSE

Remote   **Aug 2021 — Present**

- **Promotion**: Promoted to Senior Software Engineer for outstanding contributions and leadership.

- **Kubewarden**: Main creator and developer of the Kubewarden UI, contributing over 132,000 lines of code. Enhanced UI and managed releases, improving deployment scalability.

- **Rancher Dashboard**: Contributed to end-to-end testing and UI enhancements, improving user satisfaction and system reliability. UI installed by default in Rancher Prime, used by thousands of users globally.

- **Helm Innovations**: Designed and implemented Helm charts for Rancher Extensions, simplifying user interactions and deployment processes.

- **Testing and Documentation**: Authored comprehensive unit and end-to-end tests, achieving 48% line coverage, significantly increasing code reliability and user engagement.

- **Community Engagement**: Expanded team and community involvement, presented at SUSECON to over 2,000 attendees, and conducted technical webinars with over 3,000 views accumulated.

- **Rancher Extensions**: Developed the @shell/rancher package used by over 200 extensions for Rancher Manager, including air-gapped builds and CI/CD integrations.

Webmaster, Cadmium

Forest Hill, Maryland   **Oct 2019 — Jul 2021**

- Developed and maintained the company website, integrating four separate entities into a cohesive online presence.

- Built and maintained an API server and CI/CD pipeline, enhancing website functionality and reliability.

- Collaborated closely with marketing teams to optimize user experience and website engagement.

Web Developer, Freelance

Remote   **Jun 2018 — Oct 2019**

- Specialized in developing and maintaining WordPress and React.js websites with a focus on e-commerce integration and UI enhancements.

- Optimized website functionality and search engine rankings, and integrated Stripe for streamlined transactions.

Additional Experience

Photo Lab Technician, Techlab Photo

Baltimore, Maryland   **Oct 2017 — Jun 2018**

- Innovated data management processes by developing a custom database server, significantly boosting workflow efficiency.

- Maintained and troubleshot sophisticated photo processing equipment.

Aircraft Armament Systems Journeyman, US Air Force

Multiple locations   **Aug 2010 — Nov 2014**

- Expertly maintained and repaired F-16 aircraft weapon and suspension systems, ensuring operational readiness.

- Conducted detailed malfunction analyses and functional checks, collaborating effectively in a high-stakes environment.

Skills

- **Programming Languages**: TypeScript, JavaScript, Bash

- **Frameworks**: Vue.js, Node.js

- **DevOps Tools**: Kubernetes, Helm, CI/CD Pipelines, Git

- **Databases**: MSSQL

- **Operating Systems**: Linux

- **Other**: Leadership, Project Management, Technical Documentation

Personal Projects

ThothScript

- A chatbot application allowing interaction with Kubernetes clusters using natural language scripting.

- Features include Kubernetes resource management via `kubectl` and Helm, flexible task automation, and an intuitive chat interface.

- Deployed using Helm charts for easy installation on Kubernetes clusters.

ThothScript-Operator

- A Node.js application leveraging GPTScript for Kubernetes management through an API interface.

- Supports CRUD operations on Kubernetes resources with modular design for extensibility.

- Includes development tools for a smooth workflow and robust API integration.

Horus Holdings

- A cash flow management tool built with React.js, designed to help users track their incomes and expenses, providing a clear visualization of their cash flow over time.

- Named after the Egyptian god Horus, this project emphasizes financial clarity and security, with robust user authentication ensuring the privacy of financial data.

- Quickstart deployment available using Docker, with support for MySQL databases and a containerized backend.

- Self-hosted on personal homelab server, demonstrating full-stack deployment and management capabilities.

Lawndon

- Designed and developed a remote-controlled electric lawn mower with advanced terrain capabilities and eco-friendly design.

- Implemented GitHub Actions for automated build and release processes.

Daphine Streaming API

- Created a versatile API for streaming media, optimized for various deployment environments including Kubernetes and Docker.

- Hosted on personal homelab server using Kubernetes and Rancher.

Hermes

- Developed an immersive 3D web application using Vue.js and Three.js, integrating custom 3D models and interactive UI.

- Hosted on personal homelab server using Kubernetes and Rancher.

Bashmu

- Developed a user-friendly UI for livecoding and streaming, optimized for performance and user interaction.

Yokanga

- Built a retro-themed music video streaming website, utilizing cloud-native technologies for hosting and streaming.

- Hosted on personal homelab server using Kubernetes and Rancher.