

Backend Engineer - PHP/MySQL/Linux

[Stockpile Reports](#) leverages advanced image processing and 3D reconstruction from imagery to help over 300 companies in 46 countries improve the supply chain management of over 3 billion+ cubic yards of materials. We process millions of images captured using iPhones, drones, and installed cameras to produce powerful business insights across the entire supply chain—solving problems in finance, logistics, and operations.

About the Role

As a Backend Engineer at Stockpile Reports, you will be a generalist who works on public-facing features, designs, and implements the APIs that power our web and mobile offerings, and touches on important parts of our infrastructure, including database scaling and performance, analytics, operations, and security. You will monitor the health of our services and make sure they run smoothly. You will integrate our applications with third parties in ways that delight customers. You will advocate for modern engineering best practices, and use metrics to measure change. You will independently propose and create solutions to improve our development processes and product quality by introducing new approaches, techniques, and implementations. You will adapt existing software to meet customer needs. You will effectively diagnose issues and provide prompt resolutions. You will be part of a talented team of software and systems engineers that demonstrate superb technical competency, delivering mission critical infrastructure and ensuring the highest levels of availability, performance, and security. We are looking for proven self-starters with the ability to problem-solve, communicate, and interface effectively with customers, vendor partners, and colleagues.

Key Qualifications

1. 4+ years professional experience building web applications.
2. Strong competency in PHP/NodeJS.
3. Mastery of relational databases like MySQL or equivalent, including database design and performance.
4. Strong knowledge of RESTful web services, APIs, and JSON/XML.
5. Established foundations in modern web applications design architecture, good REST API design patterns, performance, and scale.
6. Experience working on web applications that process large volumes of data and/or receive high volumes of traffic.
7. Knowledge of Linux server administration.

8. Experience with cloud architecture and services in AWS or an equivalent cloud computing platform.
9. An excellent “systems intuition”. We have many complex systems which require a strong ability to debug and quickly understand what is going on.
10. Ability to perform or review systems analysis, design, programming, testing, debugging and documentation to ensure our solutions are tested, extensible, maintainable, secure, and well-performant.
11. Understanding of best practices for web development, software design, and DevOps principles.
12. Strong knowledge developing cloud-native applications, including API integrations, queues, data streaming, Docker/containers, microservices, etc.
13. Strong analytic/troubleshooting skills.
14. Able to collaborate and thrive in a dynamic environment.
15. Strong computer science fundamentals: data structures, algorithms, programming languages, distributed systems, and information retrieval.
16. Ability to write well-abstracted, reusable code. Ability to manage code libraries and use version control for consistent management of work.
17. Strong writing skills for creating technical documentation and strong ability to communicate effectively in-person, through chat, video conferencing, and e-mail.
18. (Nice to have) Experience in Python.
19. (Nice to have) Real-time data processing experience.
20. (Nice to have) Knowledge of CI/CD pipelines for orchestration.

How to Apply

Visit our [careers page](#), fill out our application form, and upload your resume. Alternatively, you can email us a cover letter and resume to jobs@stockpilereports.com.