

DOUGLAS LESLIE

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[LINKEDIN](#) , [GITHUB](#) , [MEDIUM](#)

SOFTWARE ENGINEER

Senior Backend Engineer specializing in architecting scalable financial and enterprise SaaS systems. Experienced in designing distributed systems, building high-performance APIs, optimizing database-intensive workloads, and leading backend teams in high-growth environments. Strong focus on system reliability, clean architecture, automation, and measurable business impact.

Core Competencies: PHP & Laravel Expertise, API Development & Documentation, Database Design & Optimization, Data Structures & Algorithms, Project Management, Golang, Vue.js

Gloopro

Apr 2025 – Present

(Hybrid) Senior Software Engineer

Designed and built financial, insurance-grade, and procurement-automation systems operating at enterprise scale.

ACCOMPLISHMENTS:

- Developed an automated batching engine for financing procurement orders, reducing Source-to-Pay cycle time by over 50 percent and improving cash-flow alignment and approval workflows.
- Designed and implemented enterprise ERP integrations enabling secure authentication from systems such as SAP, Coupa, and Ariba into the storefront platform.
- Integrated payment gateways, financial APIs, and data-enrichment providers (such as Loqate) for address verification and risk-related workflows.
- Built end-to-end order synchronization pipelines allowing users authenticated via ERP systems to place orders in the storefront, with orders automatically propagated back to their ERP environments for downstream procurement workflows.
- Led the migration from a legacy **ecms-core** platform with significant technical debt to a unified monolithic architecture powering both the storefront and administrative UI, improving maintainability, development velocity, and operational reliability.
- Integrated with Metabase and wrote complex queries to provide valuable insight to business data for back office staff.

Tech Stack: Laravel, Livewire, Filament, Alpine.js, Vue.js, MySQL, AWS, Redis

AfterQuery Experts

May 2026 – July 2026

(Remote) Software Engineer

Authored SWE-bench-style coding tasks from real bugs and features, complete with Docker fixtures, machine-verifiable tests, and reference solutions, to train and evaluate frontier AI models on real-world software engineering

ACCOMPLISHMENTS:

- Built SWE-bench-style coding tasks that helped train and evaluate AI models on real-world software engineering.
- Submitted private JavaScript and TypeScript codebases with Docker environments so they could serve as realistic task fixtures.
- Authored each task from a genuine bug or feature, writing clear instructions, machine-verifiable test harnesses, and reference solutions tied to a specific commit.
- Ran every task through an automated validation pipeline, iterating on the rubric, build, and test stages until it passed cleanly.
- Tuned the difficulty so each problem stayed hard but fair for frontier AI agents, pushing their code-reasoning further.

Jack Westin

Apr 2023 – Mar 2025

(Remote) Backend Developer

Architected and implemented scalable backend solutions for enhanced efficiency while collaborating across teams to drive innovation, streamline processes, and elevate code quality

ACCOMPLISHMENTS:

- Developed a comprehensive PHPUnit test suite with over 2,300 tests and 8000 assertions spanning the exam, course, flashcard, library, and podcast packages, raising test coverage to 80% and preventing regressions from shipping. Integrated automated testing into the deployment pipeline, resulting in a 75% reduction in deployment errors and greater overall product stability.
- Built large-scale administrative systems using Laravel Nova with workflows resembling policy management, billing reconciliation, claims-tracking, and underwriting review flows.
- Created an MCAT library Composer package with advanced caching and cache-invalidation rules, ensuring fast information retrieval and data freshness.
- Developed over 200 RESTful APIs serving thousands of daily requests across web and mobile clients.. Developed a robust push notification module that increased product-user engagement, and facilitated in-direct communication to product users.

- Integrated BigBlueButton to track class attendance, automate follow-ups, and maintain student status audit trails.
- Co-launched an e-textbook platform through collaboration with a cross-functional product, engineering, and QA team using Agile/Scrum processes.
- Designed high-performance transaction schema supporting 10000+ daily financial transactions with real-time balance reconciliation and ACID consistency guarantees..
- Enhanced system performance by implementing strategic caching (Redis), efficient scheduling (cron jobs), payload compression and background task processing (queues), reducing API response times by 40%.

Tech Stack: PHP, Laravel, GitLab, Redis, Nova, PHPUnit, PHPStan, Minio, AWS

[TryFlok Inc](#)

March 2020 – April 2023

(Remote) Team Lead (Backend) / Former Junior Full Stack Developer

Progressed from Junior Developer to Backend Team Lead, modernizing systems, deploying over 20 microservices, and building financial and real-time features.

TEAM LEAD (BACKEND)

May 2022 – April 2023

ACCOMPLISHMENTS:

- Integrated over 5+ financial providers (APIs) to facilitate transactions in over 4 currencies, expanding global reach.
- Built an automated RSS ingestion engine with scheduled jobs and queued processes for reliable content synchronization.
- Developed a referral and milestone bonus module, and integrated scalable Push Notifications with Google Firebase to enhance user engagement by 45% and strengthen the product-user connection.
- Contributed to migrating a monolithic CMS into microservices (user management, media, payments, analytics, search, etc.), improving system reliability and scaling.
- Actively Participated in Code reviews, User Acceptance Testing (UAT) sessions, Quality Assurance Testing (QAT) sessions, and deployment sessions, both internally and externally.
- Led a backend team of 5 engineers, conducting structured code reviews, architecture discussions, and weekly knowledge sessions to improve delivery quality and velocity.

JUNIOR FULL STACK DEVELOPER (REMOTE)

May 2020 – Apr 2022

ACCOMPLISHMENTS:

- Built a video-transcoding pipeline using AWS S3 + CloudFront for global low-latency content delivery.
 - Integrated Laravel WebSockets for real-time interactions, events, and notification systems.
 - Designed REST APIs for interoperability with third-party and internal systems, including payment and data-processing integrations.
 - Contributed significantly to Vue.js frontend features, bug fixes, and performance enhancements.
 - Built a Docker + Jenkins CI/CD pipeline to accelerate releases and also set up asynchronous messaging between internal services using Kafka for a high resilience system
 - Worked with MONIT, Sentry, and other monitoring tools to ensure service handling thousands of SMS and USSD transactions per day had 99% uptime
- Tech Stack:** Laravel, Golang, Node.js, MySQL, Vue.js, AWS, Docker, Jenkins, Redis, Solidity, Truffle, Ganache
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PROJECTS

LEISURETROVE – SOCIAL OUTING & EVENT DISCOVERY APP

Mobile App [[Android](#) / [PlayStore](#)]

Built backend and frontend in Laravel + Vue.js, integrating OAuth, Google Maps, CAPTCHA, FCM push notifications, and a Go-based WebSocket server. Designed and deployed a machine learning-powered content tagging pipeline that automatically classifies posts based on their titles and descriptions, improving capsule discoverability, search relevance, and content organization. Deployed on Docker and Kubernetes, with comprehensive Swagger/OpenAPI documentation.

TRYFARU - EVENT CONTRACT TRADING PLATFORM (Kalshi Style)

Architected and developed a real-time event contract trading platform inspired by Kalshi, implementing real-time order matching using Laravel Reverb, background processing with queues, and financial transaction consistency safeguards..

JOB SCRAPER APPLICATION

Scrapes LinkedIn (via RapidAPI), TestGorilla, Workable, RemoteAfrica, GolangProjects, and BreezyHR. Includes cron-scheduling, keyword filters, and export functionality.

EDUCATION

Covenant University: B.Eng. Mechanical Engineering
4.75 CGPA (First Class)

June 2016 - July 2021