TAYLOR DRAGOO

Full-Stack Software Engineer | PHP • Laravel • Vue • SQL
taylor.dragoo@gmail.com • taylordragoo.dev • linkedin.com/in/taylordragoo

PROFESSIONAL SUMMARY

Full-stack software engineer with 6+ years turning ambiguous operational problems into production systems for large organizations. Own projects end-to-end from stakeholder discovery and architecture through deployment and optimization. Proven record modernizing legacy systems and delivering measurable business impact. Seeking part-time contract opportunities to deliver production-ready software.

TECHNICAL SKILLS

Frontend: React, Vue, TypeScript, JavaScript, Redux, Pinia, Tailwind CSS
Backend: PHP, Laravel, Next, Nuxt, REST APIs
Databases: PostgreSQL, SQL Server, MySQL, Query Optimization, Performance Tuning, Caching
Cloud & DevOps: Azure, AWS, Docker, Kubernetes, GitHub Actions, CI/CD
Additional: ThreeJS, Unity3D, Godot, Unreal Engine, System Architecture

EXPERIENCE

Full-Stack Software Engineer | The City University of New York — Aug 2023 - Present

- Replaced an evolving, spreadsheet-driven commencement process with a PHP/Laravel/Vue/SQL platform, owning architecture through launch and eliminating tens of thousands in annual licensing costs.
- Built a daily data pipeline tracking 30,000-40,000 student records across historical, current, and upcoming cohorts, replacing weekly registrar spreadsheets and manual uploads.
- Automated commencement operations for 5,000-10,000 students per cycle with targeted email, configurable RSVPs and surveys, audit logs, participation metrics, and advanced reporting.
- Evolved the platform over three annual cycles into a feature-complete system used by approximately 12 commencement staff and adopted by several other departments for student-status reporting and CMS-style content management.

Full-Stack Software Engineer | University of Oklahoma — Jul 2020 - Nov 2023

- Designed and built a financial management platform (PHP, Laravel, Vue, SQL) processing $40M+ in salary and asset data, replacing manual workflows and significantly improving organizational data accuracy.
- Architected and developed a Learning Management System (PHP, Laravel, Vue, SQL) from the ground up, supporting 30,000+ students with consistently positive usability feedback.
- Led modernization of legacy applications by migrating systems to PHP/Laravel and Vue, containerizing services with Docker and Kubernetes on Azure, and implementing GitHub Actions CI/CD pipelines, improving deployment speed and overall system reliability.
- Reduced average page-load time by 25% by profiling slow SQL queries, adding targeted indexes, and caching frequently accessed data.
- Turned evolving stakeholder requirements into production systems, owning delivery and long-term maintenance.

IT Support Analyst | University of Oklahoma — Oct 2016 - Jun 2020

- Delivered high-volume technical support while consistently meeting SLA targets and maintaining strong customer satisfaction.

SELECTED PROJECT

Baseball Simulation Engine | Interactive 3D Web Application

- Built an end-to-end browser baseball simulator with a strongly typed Statis-Pro rules engine handling plate appearances, baserunning, innings, scoring, and box-score statistics.
- Engineered automated player-card and attribute generation from real-world batting, pitching, fielding, and baserunning statistics, then connected simulated results to a 3D presentation layer with animated players, ball trajectories, camera controls, and synchronized scoreboards.

EDUCATION

B.S. Applied Technology - University of Central Oklahoma