

Okan Delibalta

Operations Team Lead

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Skills

- **Core Architecture:** PHP 8.x, Laravel, TypeScript, ReactJS, NextJS (SSR/SSG), MySQL/MariaDB.
 - **Infrastructure & DevOps:** Docker (Containerization), Ubuntu/CentOS, NginX, Apache, CI/CD Pipelines.
 - **Data & Analytics:** R (Statistical Modeling), Python (Pandas/Scrapy), RESTful API Integration.
 - **Emerging Tech & R&D:** Rust, Go (Golang)
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Professional Summary

Operations Team Lead and principal-level engineer with 15+ years of experience architecting high-availability enterprise solutions. Expert in modernizing legacy PHP/Laravel ecosystems into scalable NextJS/TypeScript architectures. Proven track record in state-level education API integration (Texas TEA, California Aeries), data analytics, and DevOps automation. Polyglot engineer (Python, Go, Rust) with a focus on future-proof system design.

Experience

Aloe Software Group / Sr Full Stack Engineer

Aug 2009 - PRESENT, Victoria TX

Architected a mission-critical real-time synchronization engine for the Texas Education Agency (TEA) API. Engineered fault-tolerant data pipelines handling over 1.1 billion rows, ensuring 100% compliance with state reporting standards and eliminating data latency for end-users.

Designed and built a district-level data pull system for the Aeries SIS API serving California school districts, expanding the platform's student-data pipeline coverage from Texas to a second state while reusing the same fault-tolerant ingestion architecture.

Spearheaded the company's modernization strategy by decoupling the monolithic legacy frontend. Designed and launched a high-performance standalone application using NextJS and TypeScript, resulting in improved page load speeds, SEO ranking, and a scalable component library for future development.

Revolutionized the internal development lifecycle by implementing Docker containerization. Eliminated environment configuration drift between Development and Production (Ubuntu), reducing onboarding time for new features and minimizing deployment regressions.

Currently working on a personal project in creating a data aggregation website using Python's Scrapy library and the Fast API framework. The frontend is being built in NextJS in Typescript.

Education

University of Houston, Victoria / BS Computer Science

Aug 2010 - Dec 2011

Victoria College / Assoc of Science

Aug 2007 - Aug 2010

Online Certifications

Functions, Methods, and Interfaces in Go - Coursera

Programming with Google Go - Coursera

Ultimate Rust 2 Intermediate Concepts - Udemy

Ultimate Rust Crash Course - Udemy

Data Science Specialization - Coursera

Python Data Structures - Coursera