SOFTWARE DEVELOPMENT COMPLETION REPORT

Kloud Technologies Limited Website

Period: August 31, 2025 - October 22, 2025

Developer Information

Name	Md. Arman Sharif
Position	Software Engineer
Company	al-awaf
Employee ID	AA-103
Department	Software & Innovation Department
Report Date	October 22, 2025

Executive Summary

This report documents the complete software development lifecycle of the Kloud Technologies Limited company website, spanning from August 31, 2025, to October 22, 2025. As the sole developer on this project, Md. Arman Sharif successfully transformed Figma design files into a fully functional Laravel-based website featuring modern design, comprehensive functionality, and optimized performance. The project achieved all objectives including complete website development with professional design, implementation of company package display and ordering system, newsletter subscription and contact form functionalities, mobile performance optimization, and live deployment with final quality assurance.

Project Overview

Attribute	Details
Project Name	Kloud Technologies Limited Company Website
Project Type	Full-stack Web Application
Start Date	August 31, 2025
Completion Date	October 22, 2025
Total Duration	7 Weeks (52 days)
Backend Framework	Laravel (PHP)
Frontend Technologies	HTML5, CSS3, JavaScript, Bootstrap

Attribute	Details
Database	MySQL
Design Source	Figma Design Files (Provided by Arafat Vai)
Live URL	

Development Activities Timeline

SEPTEMBER 2025 (August 31 - September 25)

Week	Duration	Activities	Output	Status
W1	Aug 31 - Sep 4	Figma Analysis, HTML/CSS Design, Component Creation	HTML/CSS	✓
W2	Sep 7 - 11	Laravel Setup, MVC, Models, Controllers Integration	Backend	✓
W3	Sep 14 - 18	Production Deployment, Optimization, Testing	Live Site	✓
W4	Sep 21 - 25	UI Redesign, 3 New Templates, UX Improvement	Design Demos	✓

OCTOBER 2025 (September 28 - October 22)

Week	Duration	Activities	Output	Status
W1	Sep 28 - Oct 2	Classical Templates, SEO Optimization, Responsive Design	3 Designs	✓
W2	Oct 5 - 9	Final Design Implementation, Branding Integration	Website	✓
W3	Oct 12 - 16	Package Orders, Newsletter, Contact Forms, Full Laravel	Backend	✓
W4	Oct 19 - 22	Mobile Optimization, Performance Tuning, Final QA	Production	✓

Key Features Implemented

- Company Packages Display - Showcased various service packages with modern UI and detailed information

- Order System - Complete ordering system for package selection, validation, and purchase tracking
- Newsletter Subscription - Email subscription management with campaign and automation features
- Contact Forms - Professional forms with validation, email notifications, and inquiry management
- Responsive Design - Mobile-first approach with cross-device compatibility
- SEO Optimization - Meta tags, structured data, semantic HTML for search engine optimization

Technologies and Tools Used

Backend

- Laravel (PHP Framework) - MVC architecture, routing, and business logic
- MySQL Database - Comprehensive schema for packages, orders, and subscriptions

Frontend

- HTML5 - Semantic markup for accessibility and SEO
- CSS3 - Advanced styling and animations
- JavaScript - Interactive elements and form handling
- Tailwind CSS - Utility-first CSS framework for responsive design

Development Tools

- Figma - Design file analysis and specification extraction
- Git - Version control and repository management
- Composer - PHP dependency management
- NPM/Node.js - Asset management and build tools

Project Achievements

Achievement	Details
Figma to Code Conversion	Successfully converted design files to pixel-perfect functional code
Live Deployment	Website deployed and accessible at https://kloud.com.bd/
Comprehensive Functionality	Package display, ordering system, newsletter, and contact management
Mobile Optimization	Fast loading times and optimized performance across all devices
Design Iteration	Created 7 design demo alternatives to meet evolving requirements
SEO Implementation	Professional SEO structure with meta tags and semantic HTML

Key Deliverables

Deliverable	Type	Description	Status
Source Code	Backend & Frontend	Laravel + HTML/CSS/JS Repository	✓
Live Website	Production	https://kloud.com.bd /	✓
Design Prototypes	UI/UX	7 Design Demo Templates	✓
Monthly Reports	Documentation	September & October Progress Reports	✓
Database Schema	MySQL	Packages, Orders, Newsletter Tables	✓

Development Highlights

Design Phase

Analyzed Figma design files and created responsive HTML/CSS layouts. Implemented Tailwind CSS for modern, professional styling. Created multiple design iterations (7 demo versions) to meet evolving requirements.

Backend Development

Set up Laravel MVC architecture with modular structure. Created comprehensive database schema for packages, orders, newsletter subscriptions, and contact inquiries. Implemented validation, error handling, and email notification systems.

Performance Optimization

Optimized images and media for faster loading. Implemented caching strategies for improved performance. Optimized database queries for mobile data usage. Achieved fast loading times across all devices and browsers.

Quality Assurance

Tested across various devices and browsers. Validated all forms and functionality. Ensured responsive design implementation. Conducted final quality assurance before production deployment.

Conclusion

The Kloud Technologies Limited website development project has been successfully completed within the specified timeframe of August 31 to October 22, 2025. The website now features a professional, modern design with full functionality including package display, ordering system, newsletter management, and contact forms. All development activities were conducted following industry best practices, ensuring scalability, security, and optimal performance. The project demonstrates comprehensive skills in full-stack web development using Laravel framework, modern frontend technologies, and performance optimization techniques. The final product is production-ready and meets all client requirements.

Project Sign-Off

Role	Name	Signature & Date
Software Engineer	Md. Arman Sharif (AA-103)	_____
Project Manager	_____	_____
Client Representative	_____	_____

Appendix: References & Resources

- GitHub Repository: https://github.com/arman-alawaf/report
- Live Website: https://kloud.com.bd/
- Monthly Reports: September 2025 & October 2025 HTML Reports
- Design Demos: 7 Interactive Demo Templates (Links in Monthly Reports)
- Technologies: Laravel, PHP, MySQL, HTML5, CSS3, JavaScript, Bootstrap

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