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 |
| 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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