

Software Developer Intern

Urmila Education Private Limited

A Training Report

MCA

(Computer Application)

Course Code: CAP 835

Submitted to

LOVELY PROFESSIONAL UNIVERSITY

Phagwara, Punjab



From 18-04-2024 to 02-09-2024

Submitted By:

Name of Student: **Mo Farhan**

Registration Number: **12220761**

Signature of the student:

To whomsoever it may concern

This is to certify that **Mo Farhan**, 12220761_Number from Lovely Professional University, Phagwara, Punjab, has worked as a **Programmer Intern** in **Urmila Education Private Limited.** on **“24 X 7 Time Shop based on technical stack- Wordpress”** under my supervision from **18 April 2024** to **9th Sept 2024** and it is further stated that the work carried out by the student is a record of original work to the best of my knowledge for the partial fulfillment of the requirements for the award of the degree, degree MCA.

Name of External Supervisor: **Vishal Gadde**

Designation of the External Supervisor: **Head of IT and Architecture**

Dated: 10/08/2024

To whom so ever it may concern

I, **Arti Kumari, 12219476**, hereby declare that the work done by me on **“24 X 7 Time Shop based on tech Stack - Wordpress”** from **Dec 2023 to till** under the supervision of **Mr. Vishal Gadde Urmila’s Education.**, and **Ms. Ranjit Kaur, Assistant Professor, Lovely Professional University, Phagwara, Punjab**, is a record of original work for the partial fulfillment of the requirements for the award of the degree, MCA

Mo Farhan(12220761)

Signature of the



Student Dated:

10/8/2024

Organization Information

Urmila Education Private Limited

Urmila Education Private Limited: Your Trusted Partner for Placement Success

Founded in [2023], Urmila Education Private Limited has carved a niche for itself as a leading provider of placement consulting services in India. They assist businesses across various industries in managing their placement requirements effectively.

Strategic Talent Acquisition: Urmila Education works with you to define your hiring needs and develop targeted recruitment strategies to attract top talent.

Candidate Assessment & Selection: Their team of experienced professionals utilizes proven techniques to assess candidate skills, experience, and cultural fit for your company.

Onboarding & Integration Support: Urmila Education can provide guidance and support throughout the onboarding process, ensuring a smooth transition for new hires.

A Team with Deep Industry Knowledge

Urmila Education's success lies in its team of highly skilled professionals. Their consultants possess a deep understanding of the current job market trends and possess expertise in various industries. This allows them to tailor their services to your specific needs and provide valuable insights throughout the placement process.

ACKNOWLEDGEMENT

The internship opportunity I had with **Urmila Education** was a great chance for learning and professional development. Therefore, I consider myself a very lucky individual as I was provided with an opportunity to be a part of it. I am also grateful for having a chance to meet so many wonderful people and professionals who led me through this training period. Bearing in mind previous I am using this opportunity to express my deepest gratitude and special thanks to the **Mr. Nawaneet Singh – Hr**, who despite being extraordinarily busy with her/his duties, took time out to hear, guide and keep me on the correct path and allowing me to carry out my project at their esteemed organization and extending during the training.

I express my deepest thanks to Ms. Ranjit Kaur, Assistant Professor for taking part in useful decisions & giving necessary advice and guidance and arranging all facilities to make life easier. I choose this moment to acknowledge his/her contribution gratefully.

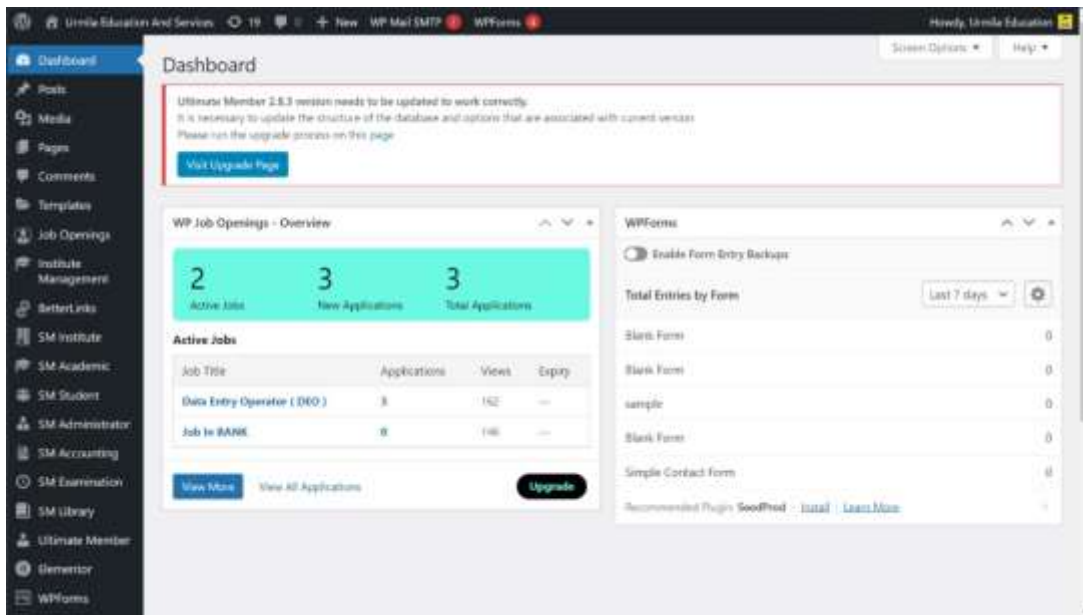
Mo Farhan

12220761

10-8-2024

Project Description

ADMIN PANEL



USER VIEW



Project Overview

This project entails creating a website for your placement consulting services. WordPress will serve as the foundation for managing content efficiently, while a custom PHP backend will handle advanced functionalities specific to your placement consulting business. This combination provides a user-friendly CMS and the flexibility to tailor features to your unique needs.

Introduction

Your new website will be a comprehensive resource for individuals and organizations seeking placement consulting services. Here's what you can expect:

Informative Content: Provide valuable and up-to-date information on placement consulting, career guidance, resume writing strategies, and interview preparation tips.

Compelling Services: Clearly showcase your placement consulting services, outlining the specific areas you assist with, such as job search guidance, resume and cover letter creation, interview coaching, and salary negotiation.

Client Testimonials: Include testimonials from satisfied clients to build trust and credibility with potential clients.

Contact Information: Make it easy for visitors to reach you by providing clear contact details, including a contact form, email address, and phone number.

Objectives

Establish Expertise: Position yourself as a trusted authority in the placement consulting domain.

Attract Clients: Generate leads by showcasing your services and attracting potential clients seeking placement assistance.

Provide Value: Offer valuable resources and insights to establish yourself as a thought leader and go-to resource for placement consulting.

Simplify Communication: Facilitate easy communication with prospective clients through a user-friendly contact form and clear contact information.

Specific Requirements

Content Management System (CMS):

Leverage WordPress for its user-friendly interface, allowing you to easily manage website content, including text, images, and videos.

Create informative blog posts and articles related to placement consulting, career guidance, and

job search strategies to establish yourself as a thought leader and attract organic traffic.

Custom PHP Backend:

Develop a custom PHP backend to handle functionalities specific to your placement consulting services. This may include:

Client Inquiry Forms: Create forms that allow potential clients to submit their information and request consultations.

Candidate Database Management: If applicable, develop a system to manage candidate profiles and resumes for potential job placements.

Appointment Scheduling: Integrate an appointment scheduling system to streamline client interactions.

Security:

Implement robust security measures to protect user data and website integrity. This includes using strong passwords, regularly updating plugins and themes, and following WordPress security best practices.

Responsiveness:

Ensure your website is responsive and adapts seamlessly to different devices (desktops, laptops, tablets, and smartphones). This will provide an optimal user experience for all visitors.

Search Engine Optimization (SEO):

Optimize website content and structure for search engines to improve your website's visibility and attract organic traffic from potential clients searching for placement consulting services in your area.

By combining WordPress's ease of use with the flexibility of a custom PHP backend, you can create a website that effectively showcases your placement consulting services, attracts potential clients, and establishes your expertise in the field.

Testing Levels

The report mentions three key testing levels relevant to backend PHP:

Unit Testing: This involves testing individual PHP functions, classes, and modules in isolation. This ensures each component works as expected before integration. Testing frameworks like PHPUnit, Behat, and Codeception are commonly used for unit testing in PHP.

Integration Testing: This level focuses on verifying how different backend components interact with each other and with external systems (like databases or APIs). This ensures smooth data flow and functionality across the backend. Tools like Mockery or Sinon can be used to simulate external dependencies during integration testing.

Functional Testing: This level tests the application's overall functionality from the perspective of the user. This involves simulating user interactions and verifying expected outcomes in the backend. Selenium WebDriver is a popular tool for browser automation and backend functional testing.

Testing Process for Backend PHP:

Here's a potential breakdown of the testing process for backend PHP in 24 X 7 Time Shop:

Writing Test Cases: Start by defining test cases that cover the functionalities of your backend code. These cases should encompass positive and negative scenarios to ensure robustness.

Unit Testing: Utilize a testing framework to write unit tests for individual PHP functions, classes,

and modules. These tests should be automated to facilitate rapid feedback during development.

Mocking Dependencies: For integration testing, use mocking frameworks to simulate interactions with external systems like databases or APIs. This isolates the backend code and allows for focused testing.

API Testing: If your backend exposes APIs, develop automated tests to ensure their proper functionality. Tools like Postman can be used for API testing.

Database Testing: Test database interactions like inserts, updates, and deletes to guarantee data integrity and prevent errors.

Security Testing: Perform security testing on the backend to identify vulnerabilities like SQL injection, cross-site scripting (XSS), and insecure data handling. Tools like OWASP ZAP or Acunetix can be used for vulnerability scanning.

Performance Testing: Consider conducting performance testing to assess the backend's responsiveness under high load. Tools like JMeter or Gatling can be used to simulate real-world usage patterns and identify potential bottlenecks.

Additional Considerations:

Code Coverage: Measure code coverage to determine how much of your backend code is tested by unit tests. Aim for high coverage to ensure thorough testing.

Continuous Integration/Continuous Delivery (CI/CD): Integrate automated testing into your CI/CD pipeline to automatically execute tests with every code change, providing immediate feedback.

Logging and Monitoring: Implement logging and monitoring tools to track backend behavior,

SCOPE OF THE PROJECT

1. Adding New Modules:

This involves creating new functionalities within the backend PHP code. Here's a breakdown of potential considerations:

Module Definition: Clearly define the purpose and functionalities of each new module.

Development and Testing: Develop the code for the new modules and implement a thorough testing process (unit, integration, functional) to ensure they work as intended.

Integration: Integrate the new modules seamlessly with existing backend functionalities.

Database Schema Updates: If necessary, modify the database schema to support the new modules' data storage requirements.

Security Considerations: Ensure the new modules are implemented with security in mind, preventing vulnerabilities.

2. Fixing Bugs:

This involves identifying and resolving existing bugs or errors in the backend code. Here's a process to follow:

Bug Identification: Utilize development tools, error logs, and user reports to identify bugs in the backend code.

Bug Analysis: Analyze the root cause of each bug to develop an appropriate fix.

Bug Fix Implementation: Implement the necessary changes in the code to resolve the bug.

Regression Testing: Re-run existing tests, especially those related to the fixed bug, to ensure the fix didn't introduce new issues.

3. Updating and Deleting Users:

This involves implementing functionalities to manage user data:

User Update: Develop logic to allow users to update their information within the platform (e.g., profile details, contact information).

User Deletion: Implement a secure process for users to delete their accounts and associated data (consider data retention policies and regulations).

Authorization Management: Ensure only authorized users can perform update or deletion actions, potentially based on user roles and access levels.

Error Handling: Implement proper error handling for scenarios where user updates or deletions fail due to invalid data or authorization issues.

Additional Considerations:

Version Control: Maintain a clear version control system (e.g., Git) to track code changes and facilitate rollbacks if necessary.

Documentation: Update existing documentation or create new documentation to reflect the

changes made to the backend. This ensures developers understand the codebase and future maintenance is efficient.

Success Criteria:

The project will be considered successful if:

New modules function as intended, are well-integrated, and secure.

Existing bugs are fixed, and no regressions are introduced.

User update and deletion functionalities operate smoothly with proper authorization checks and error handling.

All code changes are documented for future reference.

Bibliography

1. Mithlesh Kumar. Personal communication. Senior Technical Lead, 24 X 7 Time Shop. Contact: +91 7631359012.
2. Kaur, Ranjit. Personal communication. Placement Coordinator, [Lovely Professional University, Phagwara -Punjab].
3. Academind by Maximilian Schwarzmüller. "React - The Complete Guide (incl Hooks, React Router, Redux)." Udemy.

Key Points:

- **Mentorship and Guidance:** Mr. Yash Soni and Ms. Ranjit Kaur provided invaluable mentorship and guidance throughout the development of the 24 X 7 Time Shop project, offering technical expertise, feedback, and support.
- **Continuous Learning:** The React course by Maximilian Schwarzmüller on Udemy served as a foundational resource for learning React.js, providing comprehensive instruction on React concepts, best practices, and advanced techniques.
- **Collaborative Learning Environment:** Collaborating with mentors and leveraging online learning resources created a dynamic and enriching learning environment, fostering skill development and growth.

This bibliography acknowledges the contributions of mentors and learning resources that have been instrumental in the development and learning journey of the 24 X 7 Time Shop project. If you need further information or adjustments, please let me know!

Mo Farhan
12220761
MCA Student



Internship Certificate



ID CARD -



Offer Letter



Urmila Education[®]
& Services Private Limited

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संयुक्त बैंक के पास (मिलान डील विलमिन) के समान पदों में नए) मॉडल 10/21/2

Appointment Letter

Mr. Farhan,
Vanspur, Karnahagar
Alwarabad, 212168

13, April, 2024

Dear Mr. Mr. Farhan,

We have pleasure in appointing you as Programmer At Urmila Education And Services Private Limited Office in our organization, effective dated 18th April 2024 on the following terms and conditions:

1. Placement & Compensation

You will be placed in the appropriate band / responsibility level of the Company, and will be entitled to compensation (salary and other applicable benefits) as detailed in Annexure "A" Compensation will be governed by the rules of the Company on the subject, as application and/or amended hereafter.

2. Salary revision

Your salary will be reviewed on date (10-05-2024) and onwards or at such other time as the Management may decide. Salary revisions are discretionary and will be subject to and on the basis of effective performance and results. The entire appraisal of the salary would be considered as hike minimum of 5% in the basic salary. Apart from appraisal promotion will be done on three years of working cycle. Appraisal and promotion are also the management discretion. Also, the bonus will be facilitated on month (Rs. 11303) as on the basic pay.

13. If at any time in our opinion which is final in this matter you are found non-performer or guilty of fraud, dishonest disobedience, disorderly behaviour, negligence, indiscipline absence from duty without permission or any other conduct considered by us deleterious to our interest or of violation of one or more terms of this letter, your services may be terminated without notice and on account of reason of any of the acts or omission the company shall be entitled to recover the damages from you.

14. You will not accept any present commission or any sort of gratification in cash or kind from any person party or firm or Company having dealing with the company and if you are offered any you should immediately report the same to the Management.

15. You will be responsible for safekeeping and return in good condition and order of all Company property which may be your use custody or charge.

16. All legal matters are subject to Delhi Jurisdiction.

Please confirm your acceptance of the appointment on the above terms and conditions by signing and returning this letter for our records.

Your faithfully,

Urmila Education And Services Private Limited

Signature HR Manager I have read the terms and conditions of this appointment and confirm my acceptance of the same.

Mr. Nawaneet Kumar
13-04-2024

ENCLOSED – ANNEXURE

Employee Name	Mo Farhan
Department	Programmer
Designation	Programmer and Developer
Effective Date	18-04-2024
CTC (in INR)	500000/-Annum

Learning During Internship

I started my job in “ **Urmila Education**” as a **Developer - Intern** and at the time of my training period, I learned these technical skills.

Technical Skills.

- HTML
- CSS
- MySQL
- POSTMAN
- Php
- Wordpress

Continuous Assessment (CA) for internship/ OJT (By external)

Annexure-XIII (To be brought at ETP Viva only)
CONTINUOUS ASSESSMENT (CA) for INTERSHIP/OJT
(By external Supervisor from organization)

Name of the student Mo. Farhan Registration Number 12220761

Internship Project Title (if any): Developer (Wordpress)

Name of Organization & Address: Karburi Chowk to Fast appetite
Nishant Dental clinic 1st floor Madhepura 852113

Name of External Internship in-charge (with mobile number):
Mithlesh Kumar Contact No: 7631359012

S.No.	Criteria	Marks Obtained	Maximum Marks
1	Student conduct during internship	10	10
2	Punctuality and Enthusiasm	19	20
3	Technical Skill & Knowledge	19	20
4	Performance	48	50
	Total	96	100

Date 10/08/24 Authorized Signatory Nawaneet Kumar

Name Nawaneet Kumar Designation HR

Company Seal

Thank You