

Tijo Joseph

Software Engineer

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EXPERIENCE

Zyntegra Solutions Pvt Ltd , Kerala, India — Associate Software Engineer

DEC 2022 - JAN 2025

Worked with website using

Python, Django, SQLite

Architected a modular Django application structure with clear separation of concerns across apps (e.g., users, projects, reporting).

Utilized SQLite for local and small-scale deployments to simplify setup and reduce infrastructure dependencies.

Built custom Django admin extensions to provide non technical users with an intuitive interface for CRUD operations.

Implemented authentication, permissions, and session-based access controls using Django's built-in auth system.

Wrote unit and integration tests using Django's test framework to ensure application stability and correctness.

Optimized ORM queries for performance, even within SQLite's constraints, by analyzing query plans and indexing.

WordPress

Custom Plugin Development – Build a tailored plugin to add specific features (e.g., custom booking system, CRM integration).

Theme Customization or Creation – Design a custom front-end experience via a child theme or from scratch.

Interactive Front-End Experience – Add animations, dynamic UI elements, or interactive blocks via JavaScript and Gutenberg blocks.

Workflow Optimization – Enhance admin/backend experience (e.g., custom post types, ACF, admin UI enhancements).

Headless WordPress – Build a modern React/Vue/Next.js frontend using WP as a headless CMS.

TECHNICAL SKILLS

Programming Languages: Python, Django, PHP(WORDPRESS), JAVA

Web Technologies: WORDPRESS, HTML, JAVA SCRIPT, CSS, BOOTSTRAP ,React, Angular
APIS: REST

Database Technologies :
MySQL, SQLITE Operating Systems : Windows, Linux

INTERNSHIP

**LUMINAR-TECHNOLAB
(PYTHON DJANGO FULL
STACK DEVELOPER) | FEB
2023**

Received training in Full stack development program in Python, Django with angular framework. Training on Rest API & MySQL for databases. Enhanced the UI skills in front end tools like HTML5, CSS, JavaScript, Angular framework. Handled programming tasks assigned during the Internship program

ACADEMIC WORKS

An eye in ai (a machine learning project help to identify a blinded person to its surroundings.) HardWare:

EDUCATION

Rajiv Gandhi Institute of Technology, Kerala, India — *Master Of Computer Applications*

2019 - 2022

CGPA:6.80

Porukara CMI College Of Advanced Studies, Champakulam, MG University, Kerala, India — *Bachelor Of Computer Application*

2016 - 2019

CGPA:6.20

Raspberry pii OS: Linux
Technologys: Python,
Tesseract OCR, Open cv, YOLO
K-Wages This is a salary
management web application
for the workers of Khadi Board
Kottayam. The front end is
done using HTML and backend
in PHP:The work done by each
worker is entered and the
salary is calculated according
to it.