

**Pathirakaliappan**, Senior Software Engineer,  
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Location: Chennai

## **Professional Summary**

Skilled web developer with 11+ years of experience in design and development of Web application using Python, PHP and JS Frameworks. Able to complete projects efficiently and deliver to the best satisfaction of the client. Enthusiastic professional motivated by challenging projects and deadlines.

## **Core Qualifications**

- Full-stack Python, PHP web application developer (includes Python, PHP, SQL, JavaScript, jQuery, HTML and CSS 3)
- AWS Technologies management
- Custom Application Development with Django, Laravel
- Python Script for high level data processing and API management
- Proficient in high-level Drupal 7/8/9, Drupal site building, module development and theming
- Skilled in Custom Software Application, E-learning, E-commerce, Marketing Content strategy web application
- Vivid user of Git source control system
- Good knowledge on Database designs and query optimizations using MySQL, NoSQL
- Good at Apache/nginx configuration management
- Ability to work in multiple technologies with smart adoption
- Good in communications skills

## **Work Experience**

- 11+ years in PHP Web development.
- 8+ years in Python
- 6+ years in AWS Technologies
- 3+ years in JS frameworks

## **Important Projects Worked on:**

### **1. SmartWhale:**

The project aims at building a statistics reporting engine for customer datasets (billions of records) to enable multi-dimensional segmentation and real-time insights (Level, Category, Tags, State, City, Pincode, Gender, etc.) exposed to the existing marketing application via Lambda APIs.

- Developed serverless statistical pipelines using AWS S3, AWS Glue, AWS Lambda, and Amazon DynamoDB to compute and serve multi-dimensional aggregates across Level, Category, Tags, State, City, Pincode, and Gender.
- Designed a partitioned S3 data lake and Glue Data Catalog (date + geography partitioning) to enable schema-on-read and cost-efficient scans.
- Implemented Glue ETL jobs with incremental processing and job bookmarks to normalize raw events into analytical staging.
- Built incremental aggregation fabric (Lambda triggers + DynamoDB Streams) to maintain rolling, materialized summary tables for near-real-time metrics.
- Exposed aggregated metrics through Lambda-backed APIs and integrated them into the existing marketing application for instant UI dashboards, ad-hoc filters, and campaign segment queries.
- Smart Categorized Filter Selection based on user campaign data to reach the most reasonable target customers with the power of AI

### **2. Iskcon Serverless Receipt Generation Project**

Iskcon's Serverless Receipt Generation is a Python-based, AWS-powered web service for on-demand donation receipts.

#### **My Work on ISKCON Serverless Receipt Generation Project:**

- Worked on a project for 1+ year
- Implemented receipt logic in Python with Jinja2 templating & PDF rendering
- Built serverless APIs using AWS Lambda & API Gateway
- Orchestrated workflows via AWS Step Functions
- Stored receipt data in Amazon DynamoDB
- Archived PDFs in Amazon S3 with immutable Object Lock
- Automated email delivery through Amazon SES

### **3.OmnyTraq Admin Portal:**

OmnyTraq is a health monitoring device with the support of Remote patient monitoring

My Work on OmnyTraq:

Worked on almost 2+ years in the project

- Design and Architecture of the application
- Emergency and Usage Alert notification to the patients and doctors
- Devices shipping management functionalities implementations
- DevOps implementation

### **4. Bodeboca**

Bodeboca is one of the top wine selling company in Spain, It is a Ecommerce web app.

Site: <https://bodeboca.com>

My Work on Bodeboca:

Worked on almost 3 years in the Project,

- Implementing new Requirements in daily basis
- Implemented Checkout functionality with payment gateway integration
- Subscription Functionality Called The Box
- Order management portal

### **5. TwistBioScience:**

Twistbioscience is a Drupal based Marketing website for twistbioscience, Strategic approach of design, improve content editing experience with Drupal

My Work on Twist:

Worked on almost 2 years in the Project,

- Implementing new Requirements in daily basis
- Implemented Blog, Resources, FAQ Lobby pages
- Metatag, Schema Building all over the site
- Components based Approach with Paragraphs

**Education Qualification**

B.E. Computer Science and Engineering, Veltech Multitech Dr.RR & Dr.SR Engineering College, Chennai. (2011-2014).

**Declaration**

I hereby declare that the above information is correct to the best of my knowledge and belief.

Place: Chennai

Date:

T. Pathirakaliappan