POS Technology Stack – Overview

Frontend:

HTML5, CSS3, JavaScript (ES2023), jQuery 3.7.x, Bootstrap 5.x

Backend:

PHP 8.3.x, CodeIgniter 3.1.13, Custom RESTful APIs

Database:

MySQL 8.x (Sales, Inventory, Transactions)

Cloud (AWS):

Amazon LightSail – Application server, AWS IAM – Access control

Tools & Integrations:

Email, SMS, WhatsApp, Payment integration, 3rd party integration

3rd Party SDKs:

PayPal SDK, Stripe PHP SDK, Google Login Libraries, mPDF, PhpSpreadsheet, PHP QR Code

Security & Cryptography:

Bcrypt Password Hashing, OpenSSL Encryption, API Request Encryption (Custom Crypter), Secure API Keys & Tokens

Communication Channels:

SMS Alerts, WhatsApp Messaging, Email Notifications

E-Commerce & Delivery Integrations:

Zomato, Swiggy, UrbanPiper, Dunzo, DotPe, Amazon, Magicpin, Deliveroo, Talabat

Payment Gateways (Latest):

Razorpay, PayPal, Stripe, PayTM, CCAvenue, PayUMoney, Instamojo, Authorize.net