

Prabha O

Backend Developer | Python | Fast API | PHP | CodeIgniter

Backend Developer with 9 years of experience in designing scalable RESTful APIs, building CRM and CMS platforms, and leading backend architecture using Python (FastAPI), PHP (CodeIgniter), and microservices. Proficient in MySQL, Mongo DB, Typesense, and Elasticsearch. Experienced in Agile and DevOps environments, delivering robust software solutions with measurable impact.

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Address

Yelachenahalli, Bengaluru

Education

- BE in ECE, Amruta Institute of Engineering and Management Sciences — 76.2%
2012 - 2015 | Bidadi
- Diploma in ECE, Govt. Polytechnic for Women — 82.7%
2009 - 2012 | Bengaluru
- SSLC (10th), National High School — 91%
2008 - 2009 | Bengaluru

Technical Skills

Back end

- Python - Fast API
- PHP - CodeIgniter, Laravel, Lumen

Front end

- React.js
- Next.js
- JavaScript
- HTML
- CSS

Databases

- MySQL
- Mongo DB
- Redis
- Clickhouse

Searching & Indexing

- Typesense
- Elastic Search

Tools & Technologies

GIT, AWS, GCP, Mage AI, Adjust, MoEngage, Docker, Kafka, CDC, Jot URL

Languages

English
Kannada
Hindi

Tamil
Telugu

Work Experience

Product Development Lead

Bosswallah Technologies Private Limited (Formerly ffreedom App) | Bengaluru (July 2019 - Present)

- Designed and developed RESTful APIs for various CMS modules using Python(Fast API), ensuring efficient and scalable solutions.
- Revamp the CRM modules built with Codeigniter to React(Next.js) on the front end and Python(Fast API) on the back end.
- Built a CRM system using CodeIgniter, enhancing data, employee, and customer management functionalities.
- Integrated cloud calling capabilities using third-party telecom API within the CRM
- Supervised a team of four engineers to deliver a robust CRM application, improving user experience.
- Integrated Easebuzz wire payout for instant money transfer using Mage Scheduler.
- Assisted the data engineering team in creating data pipelines using Mage AI.
- Designed and implemented a notification system within the Marcoms module to drive marketing campaigns and improve user engagement.
- Skilled in planning database schema and query optimization.
- Proficient in code review and documentation and familiar with Agile methodologies using Jira.
- Proficiently troubleshooting simple and complex technological issues for different CRM modules and implementing fixes to improve efficiency.

PHP Developer

Trawex Technologies | Bengaluru (March 2017 - June 2019)

Worked as a PHP Developer for **2.3 years** using CodeIgniter Framework.

- Developed Travel portal modules like Hotel Booking, Flight Booking, and Car Booking using PHP - Codeigniter and supported by MySQL database.
- Integrated third-party APIs and created REST APIs for mobile applications.
- Implemented search functionality using geocode, hotel code, and location code with Elasticsearch.
- Interacted with clients to gather requirements and provided technical demos for in-house APIs.

Web Developer

Wolabi Solutions | Bengaluru (April 2016 -January 2017)

Worked as a Web Developer for around **9 months** using Codeigniter Framework.

- Skilled in creating Admin panels for various websites using Codeigniter.
- Basic knowledge of REST API and developing simple APIs using custom PHP framework.
- Experienced in creating simple website builder using jQuery.

PROJECTS

Microservices - FastAPI

Bosswallah technologies Private Limited (Formerly ffreedom App)

Responsibilities held:

- Leading a team of four engineers in revamping a legacy monolith PHP codebase into a microservices architecture using FastAPI, improving scalability and maintainability.
- Oversaw the technical planning, database design, and data migration, including transitioning MySQL data to MongoDB where applicable for better performance and flexibility.
- Directed the modernization of the CMS front end by adopting React.js (Next.js), enhancing user experience and maintainability.
- Designed and developed utility services for uploading images and videos to Google Cloud Storage (GCS), enabling unified use across the CMS, mobile app, and website.
- Led, participated in, and won an internal challenge to develop BossAcademy's event management module on the CMS, and built corresponding event pages (workshops & webinars with 100ms integration) for the website in a record time of 2 days, leveraging Cursor AI for rapid development.

PROJECTS

Boss Wallah

Bosswallah technologies Private Limited (Formerly ffreedom App)

BBoss Wallah is the one-stop platform for aspiring entrepreneurs looking to start, grow, and scale their businesses. Whether you want to launch and build a profitable small business, or master digital skills for business, Boss Wallah guides you step by step—from ideation to execution.

Responsibilities held :

- Writing secure REST APIs using PHP Codeigniter and using Redis caching mechanism for speedy and effective API response.
- Worked on Razorpay Payment Gateway Web Integration for iOS.
- Building various hybrid pages in HTML, CSS, and PHP and handling navigation between native (Flutter) and hybrid screens.

Data Queue Management

Bosswallah technologies Private Limited (Formerly ffreedom App)

The Data Queue Management Project is a data-driven solution for categorizing the prospects based on their activity on mobile Applications and assigning the right prospect to the right RM and increasing the conversion rate.

Responsibilities held :

- Creating and revising various data queues in **Redis** with a predefined business logic based on the customer's activity on the ffreedom app.
- Redesigned and implemented data queues using Python on the Mage platform, and configured triggers to automate processes within the platform.
- Handling the data claim process for the RM based on RM language and prospect language using **PHP, Redis, and Mysql**.
- Created a simple Dashboard using Mysql and PHP to give a visualization of data availability, claims, and conversion % which helps in taking major business decisions. This Dashboard can be used to change the prospect assigning priority as well.

Internal App (CRM)

Bosswallah technologies Private Limited (Formerly ffreedom App)

Responsibilities held :

- Designed and implemented a sophisticated notification system within the Marcoms module to drive marketing campaigns and enhance user engagement.
- Creating a URL builder in the CMS system to facilitate UTM-based tracking of app installs. This system generates short URLs, known as DDLs, from the long links using Firebase.
- Building and improvising a Complete CRM system for Employee management, Salary Management, Incentive Management, Course Release Management, Data Management, Call Management, Coupon Management with **PHP Codeigniter, MySQL, and Redis**
- Building various performance Dashboards based on the business requirement to manage the performance of employees.
- Creating various Dashboards and reports that help in taking major business calls.

Cloud Call Management

Bosswallah technologies Private Limited (Formerly ffreedom App)

The Cloud Call Management Project is a sound solution for handling different Telecom vendors based on priority and channel availability.

Responsibilities held :

- Created a platform to see the channel availability of different call vendors and provided provisions to change the priority and assign call vendors to different departments based on availability.
- Integrated the C2C APIs of different third-party Telecom vendors within the CRM using **PHP, Codeigniter, and Redis** and capture the CDRs, parse the response, and store them in **MySQL**.
- Created Call Monitor Dashboard to analyze the daily average Talktime and channel usage by different vendors and departments.

Search Engine

Bosswallah technologies Private Limited (Formerly ffreedom App)

This search engine project is designed to cater to the needs of individuals looking for courses, mentor and category information on the ffreedom app.

Responsibilities held :

- Created a Collection in **Typesense** using a **PHP** curl call to index all the content from **MySQL**. This API is used to index the data as documents to Typesense in real-time ensuring the search is accurate and relevant.
- Worked on Search API which supports semantic search and typo-tolerance using PHP curl to provide accurate and fast responses from the Typesense Collection.

Trawex Hotel API

Trawex Technologies

The Trawex Hotel API is a complete solution for building a Hotel Booking module right from listing the Hotels to searching and booking a hotel room anywhere across the world.

Responsibilities held :

- Created a Hotel Api combining multiple third-party APIs using the Codeigniter framework. Used Giata API for mapping hotel codes from different suppliers.
- Used Redis cache to store the search response for any particular location for a defined period of time. Implemented different search methods such as search by city code, search by geocode and search by hotel code using ElasticSearch.