

# PORTFOLIO

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Throughout my career, I have had the privilege of working on a wide range of projects, both online and offline. This portfolio highlights some of the key projects I have undertaken, showcasing my expertise, contributions, and the skills I have honed along the way. It features projects where I had full ownership and made significant contributions from the very beginning, reflecting my ability to manage multiple responsibilities effectively. These projects not only demonstrate my technical proficiency and dedication but also represent my passion for innovation and commitment to delivering impactful solutions.

### Type of Project list:

1. Financial web trading application (forexmart.eu)
2. FinTech application (pay.co)
3. Ecommerce web application (evaly.com.bd)
4. Online trading platform (ticktrader.instaforex.net)
5. Time tracking application (time.worklogin.co)
6. Task Management Application (zetask.com)

FinTech Application

<https://forexmart.eu>

Project Overview

The ForexMart project is a trading and financial web application consisting of six main components:

- Website:** User registration and public interface.
- Client Panel:** Trading account management and portfolio access.
- Admin Panel:** User, financial, and operational management.
- Analysis Panel:** Real-time data visualization and performance metrics.
- API Panel:** External system integration and API management.
- Customer Support Panel:** Query handling and user assistance.

Each panel is built using different technologies and is highly secure. The primary focus of this project is to serve international forex trading customers. Users can register through the website and access all aspects of forex trading via this web application. Currently, the application serves over 2 million active customers globally.

Team size

5-12

Work place

Remote and In-person

Methodologies:

Agile ,CI/CD

Technologies Used:

Bootstrap-4, Sass  
PHP(CodeIgniter,Laravel), Python(Fast-API)  
JavaScript (Express,Vue.js,, VanillaJS)  
SQL(MariaDB,PostgreSQL,MongoDB,Redis, GraphQL)  
API (XML, REST API ,Socket API, SOAP)  
Data visualization (HighStock chart, D3.js)  
Web-server (Apachee, Nginx, uvicorn)  
OS(CentOS)  
Development tools(Jira, Zetask, GitLab, SVN)

Responsibility

- 1. Application Development (Backend Focused)**
- 2. Database Schema Design and Optimization**
  - a. Creating efficient database schemas tailored to application requirements.
  - b. Optimizing and enhancing SQL queries to improve performance and efficiency.
  - c. Conducting detailed analysis to ensure data integrity and scalability.
- 3. REST API Development and Integration**
  - a. Developing secure and efficient RESTful APIs.
  - b. Seamless integration of third-party APIs to extend application functionality.
  - c. Ensuring compliance with API standards and best practices.
- 4. Code Debugging, Optimization, and Testing**
  - a. Identifying and resolving bugs in the codebase to ensure application stability.
  - b. Conducting code reviews and applying performance optimization techniques.
  - c. Writing and executing unit, integration, and system tests to ensure quality.
- 5. Web Server Management**
  - a. Configuring and managing web servers (Apache, Nginx, mail).
  - b. Ensuring high availability, performance tuning, and server security.
  - c. Monitoring and maintaining web server environments.

Project Overview

PayCo is a payment system designed to provide merchants with secure and efficient payment processing services, it consisting of 7 main components:

- Website:** User registration and public interface.
- Card Module:** Handles secure processing of debit and credit card payments for global transactions.
- Merchant Module:** Provides tools for merchants to manage payments, track sales, and access transaction insights.
- Admin Panel:** Enables administrators to monitor, manage, and control platform operations securely.
- Analysis Panel:** Offers data visualization and reports to analyze customer behavior and transaction trends.
- API Panel:** API Development and service management.
- Customer Support Panel:** Query handling and user assistance.

PayCo aims to offer high-quality payment services that ensure convenient monetary transactions for both individual companies and merchants. The company's mission is to provide clients and merchant companies with advanced technologies that meet industry standards, facilitating seamless transactions worldwide.

Team size

5-15

Work place

Remote and In-person

Methodologies:

Agile ,CI/CD

Technologies Used:

Bootstrap, Html-5  
PHP(customise, Laravel), Python(Fast-API), C#(SOAP API)  
JavaScript (Express,Vue.js,JQuery, VanillaJS)  
SQL(MariaDB,MongoDB, Memcached, GraphQL)  
API (XML, REST API , SOAP)  
Security Measure(CSRF,CSRF,AES)  
Data visualization (Highchart chart, D3.js, Chart.js, PowerBI)  
Web-server (Apachee, uvicorn)  
OS(Ubuntu)  
Development tools(Jira, Zetask, GitLab)

Responsibility

- 1. Web Application Development**
  - a. Designing intuitive and responsive front-end interfaces using frameworks and libraries.
  - b. Implementing robust and scalable back-end architectures to ensure high performance and reliability.
- 2. API Management**
  - a. Conducting comprehensive API testing with a focus on security, authentication, and performance.
  - b. Seamlessly integrating APIs within complex systems to enhance functionality and interoperability.
- 3. Data Retrieval and Management**
  - a. Crafting efficient and optimized queries for complex datasets to improve retrieval performance.
  - b. Ensuring data integrity through rigorous validation and error handling mechanisms.
- 4. Data Visualization**
  - a. Designing interactive and user-friendly data panels for effective validation and analysis.
  - b. Implementing advanced data visualization techniques to present insights clearly and impactfully.

Ecommerce application	<a href="https://evaly.com.bd/">https://evaly.com.bd/</a>
Project Overview	<p>Evaly is a local e-commerce platform in Bangladesh offering a wide range of products, including electronics, fashion, home appliances, and groceries. It supports flexible purchasing options such as cash, online payments, and installment-based transactions.</p> <p><b>Website:</b> Main interface for browsing, purchasing, and managing orders.</p> <p><b>Customer Module:</b> Manages profiles, e-wallets, and delivery tracking.</p> <p><b>Partner Module:</b> Enables merchants to manage products, orders, sales, and payments.</p> <p><b>Stock Module:</b> Handles inventory management.</p> <p><b>Hub Module:</b> Streamlines logistics and delivery via regional hubs.</p> <p><b>Admin Module:</b> Centralized control for users, products, and system monitoring.</p> <p><b>Finance Module:</b> Tracks payments, refunds, and commissions.</p> <p><b>Analysis Module:</b> Provides insights into sales, behavior, and performance.</p> <p><b>Support Module:</b> Resolves customer queries and complaints.</p>
Team size	10
Work place	Remote and In-person
Methodologies:	Agile ,CI/CD
Technologies Used:	PHP(Laravel), Python(Fast-API, Django) JavaScript (NodeJs, ReactJS, NextJS , Jquery, VanillaJS) SQL(Mysql, PostgreSQL, MongoDB, Memcached) API (XML, REST API ,Socket API) Security(SSL/TLS encryption, tokenization) Data visualization (HighStock chart,Google chart) Web-server (Apache, uvicorn) OS(CentOS) Development tools(Jira, Git,SVN)
Responsibility	<p><b>1. Application Development (Backend Focused)</b></p> <ul style="list-style-type: none"><li>a. Front-end design for non-client panels, such as admin and analysis interfaces.</li><li>b. Developing secure and scalable back-end systems to deliver seamless performance and reliability.</li></ul> <p><b>2. Database Schema Design and Optimization</b></p> <ul style="list-style-type: none"><li>a. Creating efficient database schemas tailored to application requirements.</li><li>b. Optimizing and enhancing SQL queries to improve performance and efficiency.</li><li>c. Conducting detailed analysis to ensure data integrity and scalability.</li></ul> <p><b>3. Web Server Management</b></p> <ul style="list-style-type: none"><li>a. Configuring and managing web servers (Apache, mail, Git).</li><li>b. Ensuring high availability, performance tuning, and server security.</li><li>c. Monitoring and maintaining web server environments.</li></ul>

Online trading platform	<a href="https://ticktrader.instaforex.net/">https://ticktrader.instaforex.net/</a>
Project Overview	<p>TickTrader is a global online instant trading platform that dynamically generates graphs based on world currency rate, enabling users to predict outcomes within specific timeframes and instantly gain or lose money based on their predictions. The platform operates with three core components:</p> <p><b>Website:</b> Allows clients to register and access an intuitive panel for instant trading.</p> <p><b>Admin Panel:</b> Manages client accounts, queries, transactions, and other administrative tasks.</p> <p><b>Analysis Panel:</b> Provides insights into company performance, including profit/loss, deposits, and withdrawals.</p>
Team size	3
Work place	Remote and In-person
Methodologies:	Agile ,CI/CD
Technologies Used:	Bootstrap-4, Core css PHP(CodeIgniter), Python(Fast-API) JavaScript (NoJs, jQuery, ChartJS, HighchartJs, VanillaJS ) SQL(MariaDB, Redis, Sqlite) API ( REST API ,Socket API) Data visualization (HighStock chart) Web-server (Nginx, uvicorn) OS(CentOS) Development tools(Jira,SVN)
Responsibility	<p><b>1. Web Application Development</b></p> <ul style="list-style-type: none"><li>a. Designing intuitive and responsive front-end interfaces using frameworks and libraries.</li><li>b. Implementing robust and scalable back-end architectures to ensure high performance and reliability.</li></ul> <p><b>2. Database Schema Design and Optimization</b></p> <ul style="list-style-type: none"><li>a. Creating efficient database schemas tailored to application requirements.</li><li>b. Optimizing and enhancing SQL queries to improve performance and efficiency.</li><li>c. Conducting detailed analysis to ensure data integrity and scalability.</li></ul> <p><b>3. REST API Development and Integration</b></p> <ul style="list-style-type: none"><li>a. Developing secure and efficient RESTful APIs.</li><li>b. Seamless integration of third-party Socket APIs to extend application functionality.</li><li>c. Ensuring compliance with API standards and best practices.</li></ul> <p><b>4. Code Debugging, Optimization, and Testing</b></p> <ul style="list-style-type: none"><li>a. Identifying and resolving bugs in the codebase to ensure application stability.</li><li>b. Conducting code reviews and applying performance optimization techniques.</li><li>c. Writing and executing unit, integration, and system tests to ensure quality.</li></ul>

Time Tracking Application	time.worklogin.co
Project Overview	<p>This is a robust productivity web application designed to streamline employee time tracking. It efficiently monitors clock-in times, break durations, and departure times, adhering to user-defined group rules and policies for accurate and flexible time management. The web application consists of four main components:</p> <p><b>User Panel:</b> Here users can record their attendance and view personal time tracking information.</p> <p><b>Admin Panel:</b> Enables administrators to configure user groups, set time tracking rules, monitor employee activities, and generate salary reports.</p> <p><b>Analysis Panel:</b> Provides detailed insights and analytics on employee productivity, attendance patterns, and overall time management performance.</p> <p><b>API Panel:</b> Facilitates seamless integration with third-party tools and systems for extended functionality and data synchronization.</p>
Team size	5-12
Work place	Remote and In-person
Methodologies:	Agile ,CI/CD
Technologies Used:	PHP(CodeIgniter), Python(Fast-API) JavaScript (Jquery, VueJS, VanillaJS) SQL(MariaDB,MongoDB) API (REST API) Data visualization (HighStock chart, D3.js) Web-server (Nginx,uvicorn) OS(Ubuntu) Development tools(Jira,SVN)
Responsibility	<p><b>1. Web Application Development</b></p> <p>a. Designing intuitive and responsive front-end interfaces using frameworks and libraries.</p> <p>b. Implementing robust and scalable back-end architectures to ensure high performance and reliability.</p> <p><b>3. REST API Development and Integration</b></p> <p>a. Developing secure and efficient RESTful APIs.</p> <p>b. Testing, debugging, and ensuring security.</p> <p><b>4. Code Debugging, Optimization, and Testing</b></p> <p>a. Identifying and resolving bugs in the codebase to ensure application stability.</p> <p>b. Conducting code reviews and applying performance optimization techniques.</p> <p>c. Writing and executing unit, integration, and system tests to ensure quality.</p> <p><b>5. Web Server Management</b></p> <p>Monitoring and maintaining web server (SSL,Mail,SVN)).</p>

## Task Management

zetaask.com / zondertask.com

## Project Overview

Zetask/Zondertask is a professional task management web application, offering a streamlined alternative to Jira with a more focused feature set. It includes essential functionalities such as task creation and updates tailored to projects, performance tracking, analytics, and opportunities for partnerships and affiliate management. The platform also features automated report generation based on customer access, tasks, modules, and other key metrics, ensuring actionable insights for users.

**Website:** User registration and public interface.

**Customer Panel:** Allows customers to manage their client profiles, track and perform project activities, monitor all client-related activities, and generate reports.

**User Panel:** Users can access their tasks and other related activities to manage their daily work effectively.

**Admin Panel:** A centralized control system for administrators to manage users, configure system rules, oversee operations, and monitor activities.

**Finance Panel:** Manages financial transactions, including payments, refunds, commissions, and financial reporting.

**Analysis Panel:** Provides detailed reports and analytics on performance, productivity, financial data, and user behavior to aid decision-making.

**API Panel:** External system integration and API management.

**Customer Support Panel:** Query handling and user assistance.

## Team size

6-15

## Work place

Remote and In-person

## Methodologies:

Agile, CI/CD

## Technologies Used:

PHP(CodeIgniter, and Core php),  
Python(Core, Fast-API,Django)  
JavaScript (Express,Vue.js,jQuery,Socket.io,VanillaJS)  
SQL(MariaDB,PostgreSQL,MongoDB,Memcached, GraphQL)  
API (REST API ,Socket API, SOAP)  
Data visualization (HighStock chart, D3.js)  
Web-server (Apache, Nginx, uvicorn)  
OS(CentOS)  
Development tools(Jira, Zetask, GitLab, SVN)

## Responsibility

### 1. Web Application Development

- Designed based on the required module, use Bootstrap.
- Implement logic and methods on the PHP side based on the module requirements.
- Fix bugs and optimize existing implementations.

### 2. API Management

Perform API integration and thorough testing to ensure seamless connectivity, functionality, and reliability across systems.

### 3. Code Debugging, Optimization, and Testing

- Identifying and resolving bugs in the codebase to ensure application stability.
- Writing and executing unit, integration, and system tests to ensure quality.