

PHP PHALCON + ANGULAR JS DEVELOPMENT SERVICES FOR A SUPPLY CHAIN & LOGISTICS PRODUCT FIRM



Customer:

A visionary supply chain and logistics provider. They developed supply chain management and logistics products for B2B Manufacturing Organisations.

Requirements:

Our customer wanted to develop an integrated order management and logistics application for logistics providers and manufacturing organisations. They preferred to integrate both these systems and offer it as a brokerage platform to the market. Their challenges:

1. Time to market – 6 months to go live
2. Identifying a scalable and robust architecture to handle 1M+ users

3. Implementing the entire platform using open source technologies

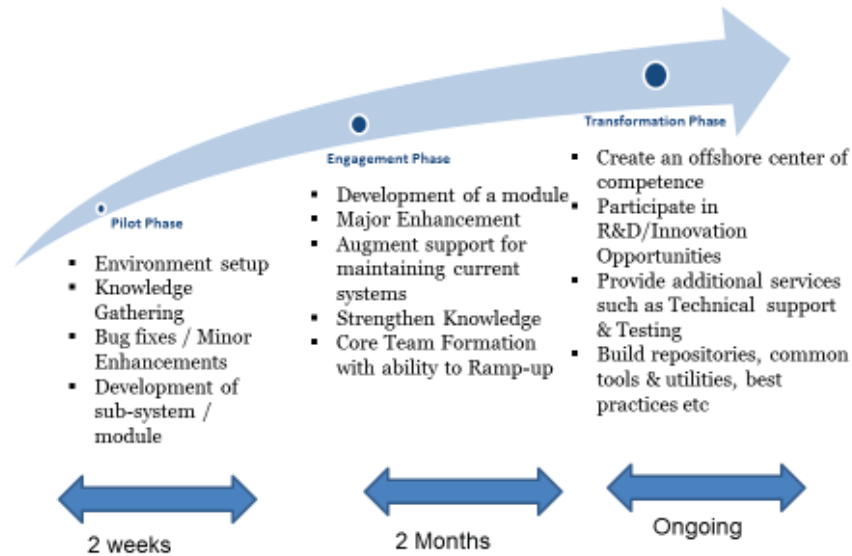
Our Approach

Expedux started the project scope phase and understood the two important challenges in the overall project perspective.

1. Develop a robust and scalable architecture to cope up with 1M+ users
2. All the modules to be developed from scratch and implemented within 6 months.

After evaluating the entire scope of the work, Expedux recommended 3 phased PET (Pilot, Engage and Transform) approach for overall development to go-live.

Expedux – PET Development Methodology



Pilot Phase:

- Validated all the possible open source technologies and decided to go with PHP as the core technology, Phalcon as core framework and Angular JS as front end
- Developed an overall architecture framework that was scalable and robust
- Identified the necessity of building custom frameworks and plugins and aligned it with the overall development strategy

Engagement Phase:

- Enabling Order Management System in the Logistics Application:** Developed and deployed a seamless workflow between order management and logistics system. The Logistics Management System processes all the information and provides insights to the logistics providers and customers
- Appropriate accessibility to all the users:** The user types helped us to define the exact user in the system. We aligned with the overall architecture and created custom work flow for

all the users (Customer, Logistics providers and Manufacturers) while creating the users form Logistics application.

Transformation Phase:

Integrating the Shipment details: When a user is creating a Shipment in the Logistics Application, the portal processes the information and associates the shipment details for that user.

Purchase Order and user integration: When the Purchase Order file is uploaded in the logistics Management System, an invitation in the form of an email is sent to the users to join the Logistics application. We integrated the portal seamlessly with email and mobile APIs.

Logistics Management System for multiple companies: Expedux implemented the processes that are dynamic and can accommodate multiple manufacturers and multiple logistics provider scenario. Robust coding was adopted and transformed the system to be flexible enough to cope up with all the challenges.

Technology Stack:

- PHP Phalcon, Angular JS, AWS and JIIRA

Engagement Highlights & benefits to customer:

- Developed and implemented within 6 months with 2 people PHP experts
- Increased their efficiency to better manage their purchase orders and track shipments for their customers

- Implemented various interfaces to ensure seamless data exchange between the systems
- Integrated the two systems to achieve greater data consistency across the two databases

ABOUT US



FOCUS

Software Engineering Services for Product Firms and E-commerce Organization



OPEN SOURCE COE

A Centre of Excellence team to constantly build capabilities and frameworks in PHP, JAVA, and Python.



STABILITY

A team backed by eminent industry advisors and venture capitalists.



EXPERIENCE

100+ man-years of expertise in working with opensource technologies.



CREDIBILITY

99% of our customers would vouch for our ability to go beyond the typical customer-vendor relationship



INNOVATIVE ENGAGEMENT MODELS

Innovative Milestone based engagement Model with Pay per Hour Model and Pay per Line of Code Model.