

# Proof of Work – Expert Network Web Application

## Project Overview

Developed a **comprehensive web application** for an **expert network company**, covering **end-to-end workflow automation**, expert onboarding, operational monitoring, AI-driven expert selection, and invoicing.

## Technology Stack & Architecture

- **Frontend:** WordPress
- **Backend:** PabblyConnect, Python
- **APIs Integrated:** Miniorange, WhatsApp, Phantombuster, LinkedIn, Mistral AI, Gemini API
- **Database:** HubSpot & Google Sheets
- **Workflow Automation:** Designed and mapped entire workflow, covering multiple edge cases

## Key Features & Functionalities

✓ **Expert Onboarding:** Automated system to onboard and manage experts efficiently ✓  
**Operational Monitoring:** Custom workflow for the **OPS team** to track expert activity ✓  
**AI-Powered Expert Recommendations:** Leveraged **Mistral AI & Gemini API** for AI-driven expert selection ✓ **Invoice Generation:** Automated PDF invoices post expert confirmation & project closure ✓ **End-to-End Workflow Handling:** Ensured seamless integration between systems

## My Role & Contributions

- **PRD Development:** Designed the **Product Requirements Document (PRD)**, covering workflows, use cases & business logic
- **System Architecture Design:** Created the overall tech architecture ensuring smooth API interactions
- **Workflow Development:** Established automation for **expert matching, project execution, and closure**
- **API Integration & Edge Case Handling:** Solved complex integration challenges & mapped edge cases for fault tolerance
- **Collaborated with Product Manager:** Worked closely on refining workflow efficiency and scalability

# Challenges & Solutions

✓ **API Integration:** Overcame authentication & data-processing hurdles for APIs like Mistral AI, Gemini, Phantombuster ✓ **Scalability:** Built a **flexible, automation-driven** architecture to accommodate future expansion ✓ **Data Management:** Streamlined operations using **HubSpot & Google Sheets** for seamless tracking

# Project Impact

🔥 Increased efficiency in **expert onboarding & selection** 🔥 AI-driven expert search improved **relevance & accuracy** 🔥 Seamless invoice generation enhanced **project closure speed** 🔥 OPS team gained **better visibility & tracking capabilities**

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Total Employees 500	Revenue \$5,000,000	Profit Margin 25%
Customer Satisfaction 90%	Projects Completed 100	Active Clients 50

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