# PFE BOOK

**BI4YOU**

Your Success ... Our Mission

# ABOUT
# BI4YOU

- **Founded:** March 2011 – Over a decade of innovation.

- **Experience:** 14 years delivering BI excellence.

- **Team:** 45 multidisciplinary experts.

- **Certifications:** 65+ industry-recognized credentials.

- **Projects:** 50+ successful implementations in 17 countries.

- **Technologies:** Mastery across 18 platforms.

- **Global Presence:** 2 offices serving worldwide clients.

# COMPANY
# VALUES

Your success is at the heart of everything we do. We are deeply **committed** to your projects through continuous **support** and **proactive** monitoring.

We deliver competitive solutions backed by the right expertise and tools to fully meet your needs and drive lasting impact.

# OUR VISION

Our vision describes the future we strive to create. It captures our ambition to lead the **digital transformation** landscape, empowering organizations and communities through cutting-edge technology, actionable insights, and trusted partnership is the destination that inspires our strategies, innovations, and growth.

**01**

To be a **global leader** in intelligent digital solutions, shaping the future of data-driven governance and business transformation

**02**

To create a world where technology and insight **empower every decision** for a better, more transparent future.

**03**

To set the standard for **innovation**, **trust**, and **excellence** in information systems and analytics.

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# WHAT WE DO TODAY

# OUR MISSION

Our mission defines our core purpose: what we do, who we serve, and how we create **value**. It reflects our dedication to delivering innovative, secure, and **impactful technology solutions** that address real-world challenges.

Every project we undertake is guided by a commitment to **excellence, collaboration,** and **measurable results**.

**01** Deliver **innovative**, **data-driven** solutions that empower organizations to make smarter, faster decisions.

**02** Provide secure, scalable, and user-centric systems that drive **operational excellence** and **public value**.

**03** Combine technology expertise and domain knowledge to solve complex challenges and deliver **measurable impact**.

# OUR SERVICES

**01** **E-Governance & Digital Public Services :** Deliver **innovative**, **data-driven** solutions that empower organizations to make smarter, faster decisions.

**02** **Data & Analytics :** Turning raw data into actionable insights using dynamic dashboards, KPIs, and advanced performance monitoring — empowering data-driven decisions.

**03** **AI & Intelligent Automation :** Boosting productivity with AI-powered tools for smarter workflows, rapid decision-making, and optimized processes.

**04** **Smart Development & Cloud Solutions:** Creating scalable, mission-critical applications with cloud-ready architectures that ensure reliability and performance.

**05** **Security & Compliance by Design :** Delivering ISO 27001-certified and GDPR-ready solutions that safeguard privacy, ensure compliance, and build trust.

## WHAT WE OFFER
### ALWAYS

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**INFORMATION SECURITY MANAGEMENT SYSTEM**

# ISO/IEC 27001:2022 CERTIFIED COMPANY

CERTIFICATE REGISTR. NO 01 153 2515602

ISO/IEC 27001 is the internationally recognized standard for establishing, implementing, maintaining, and continually improving an Information Security Management System (ISMS).
 It provides a structured framework for identifying and managing security risks, ensuring the confidentiality, integrity, and availability of information.
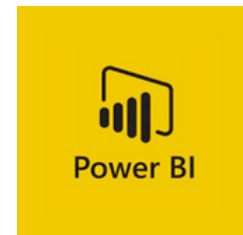


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# TECHNOLOGIES

## DATA MANAGEMENT

- Informatica
- talend*
- MariaDB
- PostgreSQL
- Microsoft SQL Server
- ORACLE DATABASE

## DATA ANALYTICS

- Qlik Q
- ZOHO Analytics
- Power BI
- tableau SOFTWARE
- Metabase
- ORACLE BUSINESS INTELLIGENCE

## WORKFLOW-BASED APPLICATIONS

- HTML5
- JavaScript
- python django
- Se
- React
- TensorFlow
- python

## CLOUD

- docker
- kubernetes
- Microsoft Azure
- aws
- snowflake

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# RELEVANT REFERENCES

**BANKING & ASSURANCE**

**PUBLIC SECTOR**

**AUTOMOTIVE, TELECOM, OIL & GAZ**

**TRANSPORT & LOGISTIC & OTHERS**

# Proposed Internship Projects

## CleverOps Agent

Intelligent AI Agent

**REF 01**

## BankPulse

Predictive Analytics for Banking Performance

**REF 02**

## FlowOps

CI/CD for Containerized Apps

**REF 03**

## RiskScope

Intelligent Credit Customer Classification System

**REF 04**

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# Proposed Internship Projects

## BrandWave

Integrated Digital Communication & Web Management

**REF 05**

## TechOps Shield

Network, Server & Security Operations

**REF 06**

## TalentHub

HR Operations & AI-Powered Recruitment

**REF 07**

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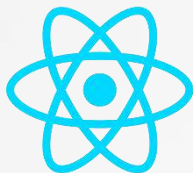# CleverOps Agent – Intelligent AI Agent

## Project Context

Companies are increasingly looking to automate repetitive or information-intensive tasks. An AI Agent enables automatic execution of actions based on a specific objective, such as:

- Responding to internal questions,
- Analyzing a document and extracting information,
- Triggering a simple workflow,
- Providing recommendations,

The project consists of designing and implementing an autonomous AI Agent capable of:

- Analyzing a request,
- Executing a predefined task,
- Generating a response,
- Interacting with one or several internal microservices.

| Technologies | Profile | Period |
|:---:|:---:|:---:|
| | IA Developer | 4 – 6 Months |

# RiskScope – Intelligent Credit Customer Classification System
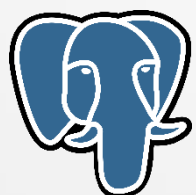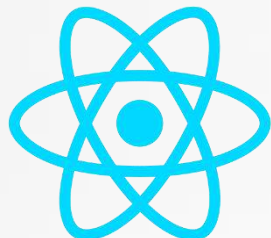
## Project Context

A financial institution aims to modernize an old internal system used to classify clients based on their credit repayment behavior.
The objective is to fully rebuild the application using a modern, scalable, and microservices-oriented architecture to facilitate:
- The management of client and credit data,
- The application of a scoring engine or classification rules,
- The provision of an intuitive interface allowing analysis of risk categories.

The new system must allow users to view a client's key information, credit history, and risk category, with advanced search and filtering capabilities.

| Technologies | Profile | Period |
|:---:|:---:|:---:|
| | Full stack Developer | 4 – 6 Months |

# BankPulse – Predictive Analytics for Banking Performance

## Project Context

As part of a decision-making project, different types of banking data (loans, deposits, commissions, commercial activity per branch, etc.) are centralized in a data warehouse. The goal of this project is to build a Machine Learning forecasting engine capable of predicting, for each branch and/or product category:
- Future loan volumes,
- Future deposit balances,
- Expected commission amounts,
- PNB / revenue forecasts over short-term horizons (1 to 3 months).

This predictive layer will support management in planning commercial targets more accurately, detecting branches with potential underperformance, comparing forecast vs actual performance in dashboards.

| Technologies | Profile | Period |
|:---:|:---:|:---:|
| | Data Scientist | 6 Months |

# FlowOps — CI/CD for Containerized Apps

## Project Context

As part of the modernization of DevOps practices, the objective of this project is to design and implement a complete CI/CD pipeline that automates the build, testing, and deployment of applications developed using a microservices architecture.

The system should ensure reliable continuous integration, automated deployment in a cloud environment, and container orchestration. The student will develop a full solution capable of:

- Building Docker images,
- Automatically executing CI/CD pipelines,
- Deploying applications to a Kubernetes cluster.

| Technologies | Profile | Period |
|:---:|:---:|:---:|
| | Devops engineer | 4 – 6 Months |



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# TechOps Shield — Network, Server & Security Operations

The company needs to strengthen its internal IT infrastructure and ensure the reliability, security, and performance of its servers and network systems. The goal of this internship project is to contribute to the management, monitoring, and security of IT infrastructures, while also maintaining and improving the GLPI platform used for asset management and support ticketing

The student will be involved in:

- Maintaining and administering the GLPI platform
- Implementing basic security rules and monitoring tools
- Supporting network management (VLANs, firewall rules, connectivity)
- Ensuring system reliability through backups, updates, and incident response

This project provides hands-on experience in IT operations, cybersecurity fundamentals, and network administration.

| Technologies | Profile | Period |
|:---:|:---:|:---:|
| | Cybersecurity | 4 – 6 Months |

# BrandWave – Integrated Digital Communication & Web Management

## Project Context

Our company is seeking to strengthen its digital presence and improve its visibility across online channels.

The objective is to design and implement a comprehensive marketing and communication strategy focused on content creation, social media engagement, and website management.

The project will involve:

- Developing a digital marketing strategy aligned with the company's positioning,
- Creating engaging content for social media platforms, Managing and updating the company's website,
- Designing visuals and communication materials,
- Monitoring performance through digital analytics tools,
- Enhancing brand image and online awareness.

The goal is to build a consistent and impactful digital identity while increasing audience reach, improving engagement, and supporting business growth.

## Profile

**Marketing / Business / Social Media manager**

## Period

**4 Months**

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# TalentHub — HR Operations & AI-Powered Recruitment

## Project Context

A microservices-based HR platform including Recruitment, Employee Evaluation, and Leave Management. The system integrates an AI engine that analyzes CVs and matches them to job requirements to support HR decision making.

**1 Recruitment Module (with AI Matching Engine)**
This module will allow HR teams to:
- Publish job offers
- Automatically match CVs to job requirements using an AI engine
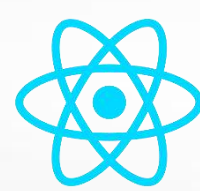- Score and rank candidates based on relevance

**2 Employee Evaluation Module**
Allows HR managers to:
- Create evaluation forms
- Define performance criteria
- Track employee progress

**3 Leave Management Module**
- Supports employees and HR in:
- Submitting leave requests
- Approving or rejecting requests
- Tracking leave balances

| Technologies | Profile | Period |
|:---:|:---:|:---:|
| | IA Developer/ Fullstack Developer | 4 – 6 Months |

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# How to apply

Students interested in one of the internship projects should send an email with the <u>project reference</u> to the following address:

**Email**

✉ jobs@biforyou.com

**The email must include:** Full Name , University / School  , Degree & Specialization , CV (attached)  , Chosen Project Reference in the subject

# THANK YOU

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www.biforyou.com