

A close-up photograph of a person with curly hair and a beard, wearing a denim jacket, looking thoughtfully at a computer screen. The screen displays a block of programming code in a light font against a dark background. Overlaid on the bottom right of the image is a large, bold text "PFE BOOK 2025".

# PFE BOOK 20 25

Innovate **TOGETHER**, excel **TOMORROW**

## wevioo in a nutshell

+ **25**  
**YEARS**

- ▷ Of sustainable growth

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+ **400**  
**EMPLOYEES**

- ▷ Sharing a strong corporate culture

+ **300**  
**SUCCESSFUL**  
**PROJECTS**

- ▷ Delivered in more than 30+ EMEA countries

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**05**  
**OFFICES**

- ▷ In Tunis, Paris, Dubaï, Riyad and Abidjan

# ALIGNING OPERATIONS,

technology and innovation to meet business challenges and deliver higher performance



## CONSULTING SERVICES

Software development

Process optimization

Digital transformation

Data & AI



## DIGITAL SERVICES

Software development

Low-Code development

Quality assurance

Digital innovation



## MANAGED SERVICES

Cloud & Infrastructure

Application Management

Workplace & Collaboration

IS Security



WHY  
WHY  
WHY  
WEVIOO ?

discover  
over **50**  
**PROJECTS**

for 2025 and find the  
perfect fit for you

# DIVERSITY & INCLUSION

Our differences make us better

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excel **TOMORROW**



# Innovation

We innovate to shape the future



# team SPIRIT

Together, we achieve more



# COMMITMENT

We collaborate for shared goals

# HIRING HIRING HIRING PROCESS



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**BOOK**<sup>2025</sup>

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# HOW TO APPLY?



Send your CV with the  
reference topic

1

CHOOSE  
YOUR TOPIC



2

SEND  
YOUR CV

3

PRESELECTION  
& INTERVIEWS



# selection process



# WHY CHOOSE US?

**80%**  
of our PFE interns  
joined our team

**AGILE**  
working  
environment

**ATTRACTIVE**  
remuneration

**FLEXIBLE**  
work organization  
(on site, remote, hybrid)

**innovATIVE**  
projects



# our PFE TOPICS

# SE01 - PROJECT MANAGEMENT AND TRACKING TOOL

## PROJECT DESCRIPTION :

Visualize and track projects by providing key information on the progress and status of each project.

### Main features:

- 1) Project phase visualization section
- 2) Monitoring dashboard visualization section

### Profile :

2 Software Engineers

### Duration :

6 months

### Framework or Technologies :

Symfony , React ,  
Javascript , Typescript



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# SE02 - DYNAMIC FINANCIAL STATEMENTS PLATFORM

## PROJECT DESCRIPTION :

Create a dynamic platform to manage financial statements, integrating the creation, validation and processing.

**Profile :**

1 Software Engineer

**Duration :** 6 months

**Framework or Technologies :**

Spring Boot 3 , Docker ,  
OAuth 2  
Angular  
JasperReports  
Kafka , RabbitMQ ,  
WebSocket



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# SE03 - RESOURCE PLANNING AND ALLOCATION TOOL

## PROJECT DESCRIPTION :

**Workload Planning**

### Main features :

- 1) Skills chart
- 2) Customer needs
- 3) Resource selection

**Profile :** 2 Software Engineers

**Duration :** 6 months

**Framework or Technologies :** Symfony , React , Javascript , Typescript



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## SEO4 - CUSTOMER FEEDBACK AND FEELING ANALYSIS TOOL

### PROJECT DESCRIPTION :

Develop a mobile and web platform that collects and analyzes customer feedback through surveys and reviews, and uses feelingt analysis to extract relevant insights into customer expectations, frustrations and needs.

By enabling companies to better understand customer perceptions, this system will provide data to improve products/services and optimize the customer experience.

#### Profile :

1 Software Engineer

#### Duration :

6 months

#### Framework or Technologies :

NLP : SpaCy , NLTK  
Frontend : React , Angular ,  
Vue.JS  
Backend : Python (Flask/Django),  
NestJS  
Surveys : Formspree API ,  
Formstack API , Google Forms  
API, JotForm API



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# SE05 - MARKETPLACE E-COMMERCE MOBILE APPLICATION

## PROJECT DESCRIPTION :

**Develop an online marketplace mobile application, where any user can create an account, list a product, and sell their items online.**

The app will offer a platform where buyers can browse, buy and leave reviews on products offered by other users.

It will also include features such as order tracking, notifications, a secure payment system, and tools to manage products and transactions.

### Profile :

2 Software Engineers

### Duration :

6 months

### Framework or Technologies :

Front mobile : React native , ReactJS  
Backend : Spring boot  
Microservice  
IA , Notification



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## SEO6 - JOBBOARD PLATFORM

### PROJECT DESCRIPTION :

**Develop an application for scraping job offers from various online sources (Hiring jobboards, company sites, professional social networks...) in order to centralize all available job offers on a single platform.**

This application will enable users to search, filter and be alerted to new opportunities that match their skills and preferences.

**Profile :**

1 Software Engineer

**Duration :**

6 months

**Framework or Technologies :**

Front mobile : Reactjs ,  
React native  
PostgreSQL  
Python + Scikit-learn ,  
TensorFlow  
Scrapy , BeautifulSoup ,  
Selenium ,Puppeteer



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# SE07 - RESOURCE AND PROJECT MANAGEMENT PLATFORM

## PROJECT DESCRIPTION :

**Develop a web application that allows managers to submit project details, team members, and deadlines, then view this information as a diagram form.**

This dashboard would display each team member's current and upcoming projects, allowing project managers to see who's working on what, the expected duration of each project, and the availability of resources for future tasks.

The application also flags overloaded members and displays inactive resources.

### Profile :

2 Software Engineers

### Duration :

6 months

### Framework or Technologies :

NextJS , Typescript ,  
TailwindCSS  
NestJS , PHP  
PostgreSQL , Docker



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# SE08 - WORKFLOW/PROCESS MANAGEMENT SOFTWARE SOLUTION

## PROJECT DESCRIPTION :

**Implementation of a business process management (BPM) software solution based on open source technologies.**

This solution would allow companies to automate, manage and monitor their business processes efficiently, by adding process modeling, execution and monitoring functionalities.

**Profile :**

2 Software Engineers

**Duration :** 6 months

**Framework or Technologies :** SpringBoot  
Angular  
Oracle  
Docker | K8



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# SE09 - AUTOMATIC API DOCUMENTATION GENERATOR

## PROJECT DESCRIPTION :

Develop an application that automatically generates documentation for an API from its source code.

It could analyze annotations or comments to create comprehensible and complete documentation of the code.

**Profile :**

1 Software Engineer

**Duration :**

6 months

**Framework or Technologies :**

React  
Spring boot  
Java , Typescript  
PostgreSQL  
Docker



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# SE10 - PROJET MANAGEMENT EXPENSES TOOL

## PROJECT DESCRIPTION :

A tool for tracking and managing project expenses.

This tool detects critical expenses updates and alerts the team if a dependency becomes obsolete or vulnerable.

**Profile :**

2 Software Engineers

**Duration :**

6 months

**Framework or Technologies :**

Electron , Fastify  
Npm , Maven  
PostgreSQL  
Docker



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# SE11- CHANGE MANAGEMENT APPLICATION

## PROJECT DESCRIPTION :

Develop an application dedicated to digitize the change management process.

### Main functionalities :

- 1) Management of change sheets
- 2) Sending of automated notifications
- 3) Tracking of change status
- 4) Standard change catalog management

### Profile :

1 Software Engineer

### Duration :

6 months

### Framework or Technologies :

Java ,  
Spring,  
Angular



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## SE12- FINANCIAL FRAUD DETECTION SYSTEM BASED ON CDC (CHANGE DATA CAPTURE) TECHNOLOGY AND real- TIME DATA FLOW PROCESSING

### PROJECT DESCRIPTION :

The project involves designing a financial fraud detection system that will identify suspicious activity in transactions issued.

The project is divided into 3 parts:

- 1) Development of the back-end which will be used to process and analyze transactions, send emails and push notifications
- 2) Dashboard development for data visualization
- 3) Application deployment

**Profile :**

1 Software Engineer

**Duration :**

6 months

**Framework or  
Technologies :**

Springboot, Kafka, Debezium,  
Spring Security, Spring Cloud,  
Mysql or Postgres  
Docker and Kubernetes for  
microservices deployment  
Angular or React JS/TS



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# SE13 - MANAGEMENT OF SPORTS ACTIVITIES TOOL

## PROJECT DESCRIPTION :

This project involves developing a web and/or mobile application designed to manage sports events within a corporate environment.

The application will facilitate team creation, event scheduling, participation tracking, notifications, and updates to enhance employee engagement in sports activities.

**Profile :**

2 Software Engineers

**Duration :**

6 months

**Framework or  
Technologies :**

Kotlin (multi-platform),  
Java, Real Time Database  
PostgreSQL  
Push Notification System  
CI/CD tools



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# SE14 - BANKING INVESTMENT REQUEST MANAGEMENT SYSTEM BASED ON A MICROSERVICES ARCHITECTURE

## PROJECT DESCRIPTION :

This project involves designing and developing a system for managing bank investment requests, using a microservices architecture.

Each of the system's main functionalities (user management, request management, notifications, etc.) will be encapsulated in a dedicated microservice, communicating via REST APIs or asynchronous messages.

The system will include a defined workflow for processing requests (submission, validation, and follow-up), as well as a notification system to alert relevant users at each stage.

User and role management will be handled by Keycloak, guaranteeing secure access in line with best practice.

### Profile :

1 Software Engineer

### Duration :

6 months

### Framework or Technologies :

Spring Boot, Spring Cloud Gateway or Kong, Eureka or Consul, Angular, Keycloak, MySQL, PostgreSQL, REST, Feign clients or RabbitMQ/Kafka (asynchronous messaging), Email, SMS, and WebSocket for real-time notifications  
Docker and Kubernetes for deployment of microservices



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## PROJECT DESCRIPTION :

**This project aims to build a cross-platform notification module to manage different types of notification (mail/SMS)**

Main Activities :

- 1) Standard parts useful for any notification context (lifecycle, timeline, ...)
  - 2) Management and configuration of connections with interfaced systems
  - 3) Setting of notification logic and rules
  - 4) Management and configuration of notification batches
  - 5) Study of different notification server configurations
  - Design & Modeling
  - 6) Implementation of the target solution's application base
  - 7) Iterative production of solution modules (agile sprints)
- Testing of completed modules with real data The target

Solution will include :

- \* A back-end
- \* A Web front-end
- \* An e-mail/SMS notification engine

**Profile :**

1 Software Engineer

**Duration :**

6 months

**Framework or Technologies :**

Spring Boot, Spring Cloud Gateway or WSO2,Eureka or Consul,Angular,Keycloak, MySQL/PostgreSQL,REST/Feign clients or RabbitMQ/Kafka (asynchronous messaging), Email, SMS, et WebSocket for real-time notifications, Docker and Kubernetes for deployment of microservices



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# NTTO1 - DASHBOARD MONITORING AND ANALYSIS AUTOMATION

## PROJECT DESCRIPTION :

Create an automated solution for collecting, consolidating, analyzing, and alerting on data from multiple service monitoring dashboards.

The final goal is to provide a centralized view of key metrics and issue alerts when potential service degradation or outages are detected

**Profile :**

2 Software Engineers

**Duration :**

6 months

**Framework or Technologies :**

Angular (for dashboard and UI), Java (for data handling, notification system)  
Automation : Selenium (for data/screenshot capture)  
Monitoring Tools : Dynatrace, Grafana (for dashboard data)



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# NTTO2 - FIELD STUDY OF RECOMMENDED SYSTEMS IN THE AUTOMOTIVE INDUSTRY

## PROJECT DESCRIPTION :

Conduct a comprehensive analysis of existing recommender systems used in the automotive sector.

Investigate their applications in areas such as in-vehicle infotainment, predictive maintenance, and personalized marketing.

Evaluate the effectiveness of different algorithms and approaches in the context of automotive use cases.

### Profile :

1 DATA Engineer

### Duration :

6 months

### Framework or Technologies :

Python, Jupyter Notebooks, Pandas, scikit-learn, TensorFlow or PyTorch, Data visualization libraries (e.g., Matplotlib, Seaborn), streamlit, MLOps (KubeFlow / MLFlow), Recommender algorithms, containerization tools (Docker) | Git | CI/CD tools



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# NTTO3 - EDGE-BASED FEDERATED LEARNING FOR IN-VEHICLE RECOMMENDER SYSTEMS

## PROJECT DESCRIPTION :

**Design and implement a recommender system that leverages federated learning techniques to operate on the edge within vehicles.**

Focus on preserving user privacy while providing personalized recommendations for navigation, music, or other in-car services.

Address challenges such as limited computational resources and intermittent connectivity.

### Profile :

1 DATA Engineer

### Duration :

6 months

### Framework or Technologies :

Python, TensorFlow Federated or PySyft, edge computing framework (e.g., AWS Greengrass, Azure IoT Edge), containerization tools (Docker), Git, CI/CD tools



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# NTTO4 - DATA PRODUCT-DRIVEN APPROACH FOR FLEXIBLE AND STABLE RECOMMENDER ENGINES

## PROJECT DESCRIPTION :

Explore the concept of data products and their application in building robust recommender systems.

Design a personalized recommender engine architecture based on modular, reusable data products.

Investigate how this approach can enhance stability, flexibility, and maintainability of recommender systems in dynamic environments.

### Profile :

1 DATA Engineer

### Duration :

6 months

### Framework or Technologies :

Python, Apache Airflow or similar data orchestration tool, data versioning tools (e.g., DVC), MLflow for experiment tracking, containerization (Docker), cloud platforms (e.g., AWS, GCP or Azure) for data product hosting, Git



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# LC01 - FINANCIAL RECOVERY MANAGEMENT PLATFORM

## PROJECT DESCRIPTION :

### Main Activities :

#### 1) Financial recovery tracking

Allows you to know the status of payments, overdue invoices and customers at risk at any time.

#### 2) Automatic reminders

Customers are automatically reminded of late payments according to defined scenarios.

#### 3) Dashboards

Detailed dashboards enable you to monitor key performance indicators (KPIs)

### Profile :

1 Bachelor

### Duration :

4 months

### Framework or Technologies :

Outsystems



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# LCO2 - OUTSYSTEM LOG MANAGEMENT AND ANOMALY DETECTION

## PROJECT DESCRIPTION :

### Main Activities :

1) Scrapping OutSystems forum data :

Automatically collect frequently encountered problems from the OutSystems community.

Clean and prepare data

2) Outsystems log management and analysis :

Centralize OutSystems application logs.

3) Anomaly detection :

Analyze logs and match anomalies with problems identified on the forum

### Profile :

1 Software Engineer

### Duration :

6 months

### Framework or Technologies :

Outsystems,  
Python



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# MELKART01 - APPLICATION FOR TRACKING AND MANAGING PROJECTS

## PROJECT DESCRIPTION :

Integrate modules for managing projects, tasks, assignments and timesheets to simplify the organization and monitoring of workflows.

## Main Activities :

- Manage projects.
- Track working hours.
- Manage access to APIs via tokens
- Detailed reports.

## Profile :

1 Software Engineer

## Duration :

6 months

## Framework or Technologies :

Joget, Cordova, JAVA, Spring, HTML, CSS, Javascript, Firebase, Mysql



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# MELKARTO2 - COLLABORATIVE TOOL FOR FACE-TO-FACE AND REMOTE WORK

## PROJECT DESCRIPTION :

The aim of this project is to design and develop an application facilitating team collaboration, with key functionalities such as room reservation management (real-time availability, notifications) and instant messaging for fluid exchanges and file sharing.

**Profile :**

1 Software Engineer

**Duration :**

6 months

**Framework or Technologies :**

Joget, Cordova, JAVA, Spring, HTML, CSS, Javascript, Firebase, Mysql



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# MELKART03 - AUTOMATED WORKFLOW MANAGEMENT SYSTEM

## PROJECT DESCRIPTION :

Develop a workflow management system using Joget to simplify and automate the submission, approval and tracking of tasks within an organization.

The application will be integrated with DevOps tools.

**Profile :**

2 Software Engineers

**Duration :**

6 months

**Framework or  
Technologies :**

Joget : Workflow management  
SonarQube : Code quality checks  
Git : Version control  
GitHub/GitLab Webhooks : Trigger automation  
Docker and kubernetes : Containerization and orchestration  
Jenkins/GitHub Actions : CI/CD  
Prometheus and Grafana : Monitoring  
ELK Stack : Logging



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# MELKARTO4 - AUTOMATIC CLEANING AND REAL-TIME DASHBOARD GENERATION

## PROJECT DESCRIPTION :

Develop a real-time framework for data cleansing and dashboard generating, using Apache Kafka for data streaming, Joget Workflow for process orchestration and Superset / E-charts BI tools for visualization.

**Profile :**

1 Software Engineer /  
Python

**Duration :**

6 months

**Framework or  
Technologies :**

Java, Python, Kafka,  
Superset, Joget, Mysql,  
E-charts, Spring, HTML,  
CSS, Javascript



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# MELKART05 - DIGITALIZE FINANCING PROCESSES via web and MOBILE APPLICATIONS

## PROJECT DESCRIPTION :

Business process development.

**Profile :** 1 Software Engineer

**Duration :** 6 months

**Framework or Technologies :** Java, Angular, Ionic, Spring, Joget, Mysql, HTML, CSS, Typescript



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# MELKARTO6 - DEVELOPMENT OF A FRONT-OFFICE REGISTRATION SYSTEM AND A BACK-OFFICE AUTHORIZATION MANAGEMENT SYSTEM

## PROJECT DESCRIPTION :

The aim of this project is to design and develop a platform for user registration in the front office, while integrating a module for managing authorizations, delegation and temporary staff in the back office.

**Profile :** 1 Software Engineer

**Duration :** 6 months

**Framework or Technologies :** Joget, Cordova, JAVA, Spring, HTML, CSS, Javascript, Mysql, Maven



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# MO - Governance of the SharePoint O365 Platform

## PROJECT DESCRIPTION :

As part of our information security management system, we need to implement Sharepoint O365 platform governance :

- Site management.
- Access and authorization policy.
- Creation process.
- Archiving and deletion processes.

**Profile :**

1 Software Engineer

**Duration :** 6 months

**Framework or Technologies :** O365  
SharePoint



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# MC01 - STATISTICAL MODELING OF SOME PRODUCTS PRICE TRENDS ON THE TUNISIAN MARKET

## PROJECT DESCRIPTION :

### Main activities :

- Conduct a scientific and technical watch on modeling methods adapted to the field.
- Collect and clean data from online ads and internal databases.
- Carry out exploratory statistical analyses to understand the factors influencing the value of a product.
- Model price prediction algorithms based on statistical and Machine Learning models.
- Model validation and evaluation.
- Model optimization.
- Documenting processes and results.

### Profile :

1 Software Engineer

### Duration :

6 months

### Framework or Technologies :

Python  
MongoDB  
MySQL



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# MCO2 - DATAWAREHOUSE AND BI IMPLEMENTATION

## PROJECT DESCRIPTION :

### Main activities :

- Modeling.
- Job ETL development on SSIS.
- Design and creation of cubes on SSAS.
- Report design and development on SSRS.
- Dashboard design and development on Power BI.
- Unit, integration and performance testing.
- Documentation of processes and obtained results.

### Profile :

1 Software Engineer

### Duration :

6 months

### Framework or Technologies :

SQL Server, SSIS, SSRS, SSAS,  
Power BI



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# ISO1 - DEVELOPMENT OF AN AUTOMATED PLATFORM FOR MANAGING, CONFIGURING, AND AUDITING THE IT INFRASTRUCTURE

## PROJECT DESCRIPTION :

### Objectives :

- Build a centralized platform for advanced infrastructure management.
- Integrate security auditing tools (e.g., Active Directory, PingCastle, Microsoft Security Toolkits, Sysinternals Suite, AdminDroid).
- Deploy and manage services using Docker.
- Ensure data and process security compliance.

### Profile :

1 Engineer / Master's degree

### Duration :

6 months

### Framework or Technologies :

- Docker: Service deployment.
- Active Directory & PingCastle: User management and security auditing.
- Microsoft Tools & Sysinternals: Security and system management.
- AdminDroid: Office 365 analytics.
- Ansible & Auditd: Automation and system auditing.



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# ISO2 - ANALYSIS AND IMPLEMENTATION OF A CENTRALIZED SOLUTION FOR AUTOMATED PATCH MANAGEMENT ON LINUX SYSTEMS

## PROJECT DESCRIPTION :

A centralized solution for package management, updates, configuration, and inventory of Linux systems.

### Profile :

1 Engineer / Master's degree

### Duration :

6 months

### Framework or Technologies :

Patch management, automation, configuration and vulnerability management, security, and CI/CD integration for Linux systems using tools like Ansible, Puppet, and Bash/Python scripting.



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# ISO3 - INFRASTRUCTURE CO-MANAGEMENT: MICROSOFT ENDPOINT MANAGER (MEM)

## PROJECT DESCRIPTION :

The Microsoft Endpoint Manager (MEM) solution integrates the following solutions:

- Microsoft MECM (formerly SCCM - System Center Configuration Manager)
- Microsoft Intune
- Microsoft Defender (security)
- Windows Autopilot
- Desktop Analytics
- Azure Active Directory

**Profile :**

1 Engineer / Master's degree

**Duration :**

6 months

**Framework or Technologies :**

Microsoft



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# ISO4 - IMPLEMENTATION OF an OPEN-SOURCE PAM SOLUTION (PRIVILEGED ACCESS MANAGEMENT)

## PROJECT DESCRIPTION :

The project aims to implement an open-source PAM (Privileged Access Management) solution to secure and control privileged access within the organization.

Key features include privileged account management, access control, monitoring, password rotation, and enforcing the principle of least privilege.

### Profile :

1 Engineer / Master's degree

### Duration :

6 months

### Framework or Technologies :

Teleport, Apache Guacamole, networks, Linux systems, Windows Server, AD, DNS, Python.



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# ISO5 - IMPLEMENTATION OF an OPEN-SOURCE WAF SOLUTION

## PROJECT DESCRIPTION :

The WAF (Web Application Firewall) project aims to implement a solution to protect the company's web applications from various threats, such as malicious attacks, software vulnerabilities, and HTTP protocol abuse.

The WAF acts as a barrier between users and the web application, filtering and monitoring HTTP/HTTPS traffic to detect and block suspicious or unauthorized activities.

### Profile :

1 Engineer

### Duration :

6 months

### Framework or Technologies :

OWASP Top 10, ModSecurity, HTTP, HTTPS, FTP, web attacks, application security, HTML, JS, PHP.



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# ISO6 - THE IMPLEMENTATION OF AN INFRASTRUCTURE AS CODE (IaC).

## PROJECT DESCRIPTION :

The implementation of an Infrastructure as Code (IaC) with Terraform and Azure Bicep.

**Profile :**

1 Engineer

**Duration :**

6 months

**Framework or Technologies :**

Terraform  
Azure Bicep  
Azure IaaS  
Azure DevOps  
Ansible



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# ISO7 - IMPLEMENTATION OF WORKFLOWS PROCESS Pre-Sales and Project

## PROJECT DESCRIPTION :

Implementation of a digital solution for the Project /Pre-Sales activity.

**Profile :**

1 Engineer

**Duration :**

6 months

**Framework or Technologies :**

SharePoint  
PowerApps  
Power Automate  
SharePoint Design



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# ISO8 - KAFKA SERVICE MODERNIZATION FOR MERCEDES INTELLIGENT CLOUD (MIC)

## PROJECT DESCRIPTION :

### Main activities:

Analyze current Kafka service architecture within MIC infrastructure  
Design and implement a cloud-native Kafka deployment using Kubernetes (AKS)  
Establish secure communication patterns using OIDC and mTLS  
Implement Infrastructure as Code (IaC) using Terraform  
Create CI/CD pipelines for automated deployment and testing  
Document design patterns and best practices for future reference

### Profile :

1 Engineer

### Duration :

3 - 5 months

### Framework or Technologies :

- Cloud & DevOps :
  - Microsoft Azure (AKS, Azure Services)
  - Kubernetes, Docker
  - Terraform, ARM templates
  - Azure DevOps, Git
  - CI/CD practices
- Event Streaming: Apache Kafka
- Security: OIDC, mTLS, OAuth2
- Programming: Java/Python/Go (for automation)



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# ISO9 - ORCHESTRATION OF MICROSERVICES WITH AZURE KUBERNETES SERVICE (AKS)

## PROJECT DESCRIPTION :

Create and deploy a microservices architecture using Azure Kubernetes Service (AKS).

The project focuses on container management, service orchestration, monitoring, and scalability management.

**Profile :**

1 Engineer

**Duration :**

6 months

**Framework or Technologies :**

Microsoft



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# IS10 - IMPLEMENTATION OF AN IDENTITY AND access management system WITH AZURE ACTIVE DIRECTORY (AZURE AD).

## PROJECT DESCRIPTION :

Create a solution for user management, authentication, and authorization with Azure Active Directory.

The project may include integration with third-party applications (SaaS), implementation of multi-factor authentication (MFA), and role management.

**Profile :**

1 Engineer

**Duration :**

6 months

**Framework or  
Technologies :**

Microsoft



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# IS11 - DESIGN OF AN INTELLIGENT OBSERVABILITY AND PROACTIVE ANOMALY DETECTION SOLUTION.

## PROJECT DESCRIPTION :

**Design of an observability platform based on a CNCF stack**

Anomaly detection using machine learning  
Automatic incident correlation

**Profile :**

1 Software Engineer

**Duration :**

6 months

**Framework or Technologies :**

Machine learning  
OpenTelemetry  
Prometheus  
Grafana  
Loki  
Jaeger  
Thanos  
Python



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# IS12 - DEVELOPMENT OF an SMS NOTIFICATION ADD- ON INTEGRABLE WITH OUR ITSM SOLUTION.

## PROJECT DESCRIPTION :

Development of a plugin to integrate with our ITSM solution for sending SMS notifications.

### Profile :

1 Bachelor's degree

### Duration :

6 months

### Framework or Technologies :

GLPI  
PHP  
Scripting  
Linux  
REST API  
SMS Gateway



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