CLUBEDGE

SUPPORTING TEAMS, SIMPLIFYING SUCCESS

PFE BOOK 2025-2026

Who are we?

Clubedge is a Tunisian Startup Act–labeled company dedicated to helping clubs, associations, and organizations run like professional, data-driven teams. We provide an all-in-one SaaS platform where each organization gets its own secure space to manage members, events, communication, finances, and tasks.

Our focus is on:

- Long-term relationships with student clubs and associations.
- Modern, cloud-native engineering and clean product design.
- Real usage in production, not just prototypes.

Our Mission

Help clubs and associations operate like professional organizations by giving them powerful yet simple tools for everyday work, from event management and member engagement to finance, analytics, and communication.

Our Vision

Become the operating system for organizations in MENA, Europe, and beyond. We want Clubedge to be the default platform that student clubs, NGOs, associations, and federations choose to coordinate their activities.

How to apply?

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careers.clubedge.live/pfe

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Projects Summary

Multi-Tenant AI Assistant for SaaS Platform Automation

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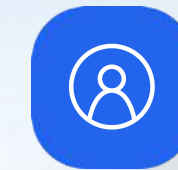SUPPORTING TEAMS, SIMPLIFYING SUCCESS

REF: PFE-2026-01

Design and implement Edgey, a modern AI assistant serving as the intelligence layer for Clubedge.
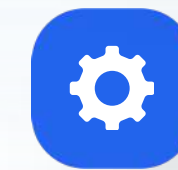The goal is to deliver a permission-aware, context-driven AI system capable of reasoning, taking actions, optimizing workflows, and automating management tasks inside the Clubedge platform.

RESPONSIBILITIES

- Design the AI architecture (reasoning engine, memory, tools, orchestration)
- Implement the MCP action layer and integrate GPT models
- Build multi-tenant memory & RAG using Supabase pgvector
- Connect Edgey to backend modules with strict role & permission enforcement
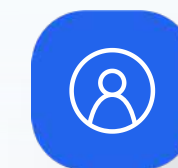- Develop automation workflows and document the full system

1 Trainee

Technologies and Tools :

- GPT Models (reasoning & function calling)
- MCP (Model Context Protocol) for AI-driven actions
- RAG with Supabase pgvector
- Node.js / TypeScript
- Supabase Postgres + RLS
- Next.js (integration layer)

Required profile
Engineer profile

Advanced Roles & Permissions System

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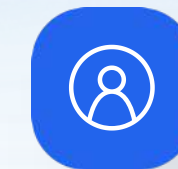**CLUBEDGE**
SUPPORTING TEAMS, SIMPLIFYING SUCCESS

REF: PFE-2026-02

Design and implement RBAC V2, a flexible and secure roles & permissions system for Clubedge.
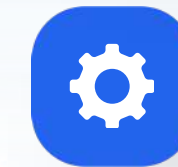The project replaces the old hard-coded roles with a tenant-configurable RBAC architecture suitable for a multi-tenant SaaS. The goal is to deliver fine-grained access control, strong backend security, and a clean admin interface for managing roles and permissions

RESPONSIBILITIES

- Design a new tenant-specific RBAC data model
- Define fine-grained permissions across platform modules
- Support multi-role users with clear conflict-resolution rules
- Build backend authorization middleware for API routes
- Create an admin UI for roles, permissions, and assignments
- Implement strong security with server-side checks + RLS
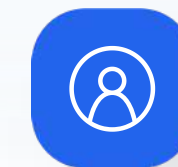- Provide migration scripts from the old role system

1 Trainee

Technologies and Tools :

- TypeScript
- Next.js / React
- Supabase Postgres
- Row-Level Security (RLS)
- Server-side Authorization Middleware
- SQL Schema Design & Migrations

Required profile
Engineer profile

Finance & Accounting Module for Tenants

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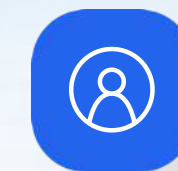SUPPORTING TEAMS, SIMPLIFYING SUCCESS

REF: PFE-2026-03

Develop a modern finance module for Clubedge, enabling student clubs, associations, and organizations to track income, expenses, documents, and financial insights.
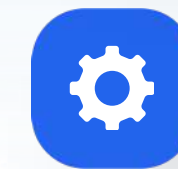This project builds the foundation for a simple, secure, and scalable accounting system inside Clubedge.

RESPONSIBILITIES

- Design the financial data model (transactions, categories, documents)
- Build secure forms for recording income & expenses
- Develop monthly & yearly financial dashboards
- Implement CSV/PDF export features
- Apply RBAC V2 & RLS for financial data protection
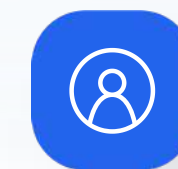- Prepare integration hooks for future payment providers

1 Trainee

Technologies and Tools :

- Next.js / React
- TypeScript
- Supabase Postgres
- Row-Level Security (RLS)
- RBAC Permissions
- SQL Views & Aggregations

Required profile

Bachelor profile

Communication Hub & Team Management System

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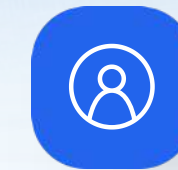SUPPORTING TEAMS, SIMPLIFYING SUCCESS

REF: PFE-2026-04

Design and implement the collaboration backbone of Clubedge by combining advanced team & department management with an internal communication center.
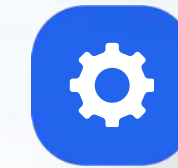 The goal is to make teams first-class elements of the platform and enable real-time messaging, coordination, and structured communication across tenant organizations.

RESPONSIBILITIES

- Design and implement team & department structures
- Build real-time messaging for direct messages and team channels
- Develop chat features: file attachments, reactions, read receipts
- Integrate teams with tasks, events, and analytics
- Enable team-level filtering and reporting across modules
- Apply RBAC and RLS for secure access to teams and communication channels
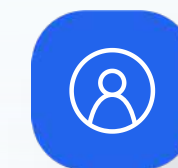- Implement notifications (push & email digests)

1 Trainee

Technologies and Tools :

- Next.js / React
- TypeScript
- Postgres (teams, channels, messages, memberships)
- Real-Time Messaging: WebSockets, Socket.io
- Row-Level Security (RLS)
- RBAC Permissions

Required profile

Engineer profile

Feature Flags & Controlled Rollout System

Apply Now

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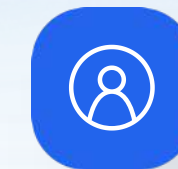SUPPORTING TEAMS, SIMPLIFYING SUCCESS

REF: PFE-2026-05

Build the core feature-release architecture of Clubedge.
This project focuses on designing and implementing a feature-flag system that enables safe, progressive, and tenant-scoped rollouts across environments.
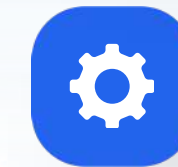The goal is to provide developers and product teams with full control over how features are activated, tested, and monitored.

RESPONSIBILITIES

- Design the feature-flag architecture for a multi-tenant SaaS
- Implement backend evaluation logic for each request
- Support targeting rules (tenant, plan, environment, percentage rollout)
- Build internal tools & helpers for developers (SDK)
- Create an admin UI for managing flags and rollouts
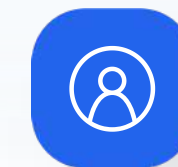- Add minimal logging/monitoring for feature behavior

2 Trainees

Technologies and Tools :

- TypeScript
- Next.js / Node.js
- Postgres (flags, rules, evaluations)
- Caching Layers (Redis or in-memory)
- Environment-Based DevOps Integration
- RBAC (for admin access)

Required profile
Engineer profile

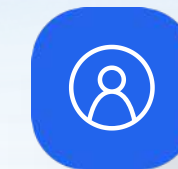# Multi-Tenant Insights & Analytics Module

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REF: PFE-2026-06

Design and implement the next-generation analytics module inside Clubedge.
The goal is to build a configurable, scalable analytics layer that turns tenant activity into actionable insights, with dashboards that adapt to each tenant type (clubs, associations, organisations) while staying centrally controlled.

RESPONSIBILITIES

- Define key analytics metrics and data models
- Build Postgres views, aggregates, and scheduled refresh jobs
- Develop modular dashboards (charts, filters, drill-downs)
- Adapt KPIs and dashboards based on tenant type
- Add anonymized benchmarks and optimize query performance
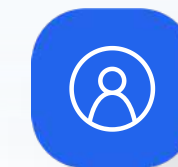- (Optional) Integrate Edgey for insights and recommendations

1 Trainee

Technologies and Tools :

- Supabase / Postgres (analytics tables, views, materialized views)
- SQL & Query Optimization
- Scheduled Jobs / Cron Workers
- Next.js / React Analytics Dashboards
- Charting Library (e.g. Recharts / Chart.js)
- RBAC & Tenant-Type Configuration

Required profile

Engineer profile

Automated Testing Platform for SaaS Web Application

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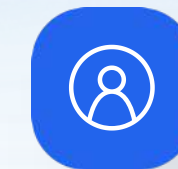SUPPORTING TEAMS, SIMPLIFYING SUCCESS

REF: PFE-2026-07

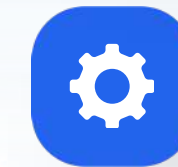Design and implement a modern QA automation framework for Cubedge.
The project includes building end-to-end, system, integration, and performance test suites using a modern toolchain. The goal is to improve test coverage, reduce manual regression time, and deliver fast, reliable feedback through CI/CD pipelines.

RESPONSIBILITIES

- Develop automated UI tests for critical user journeys
- Build system & API integration tests
- Create performance scenarios with k6
- Implement regression strategy (tagging, prioritization)
- Integrate tests into CI/CD pipelines
- Generate dashboards & test reports
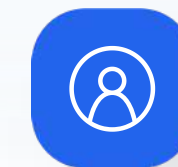- Document architecture & QA best practices

1 Trainee

Technologies and Tools :

- Playwright (TypeScript)
- Jest (API & integration tests)
- k6 (performance and load testing)
- GitHub Actions / Jenkins / Azure DevOps
- TestRail / Xray (reporting)
- Docker
- Supabase / Next.js (optional: system under test)

Required profile
Engineer profile
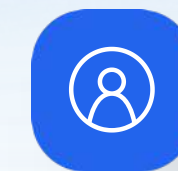
Clubedge Mobile App

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REF: PFE-2026-08

Build the first native mobile application for Clubedge using React Native and Expo.
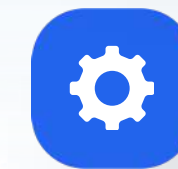The goal is to bring key platform features, events, notifications, and membership tools, to Android and iOS using the existing backend APIs.

RESPONSIBILITIES

- Build the mobile app structure with React Native + Expo
- Integrate authentication, multi-tenant logic, and secure token handling
- Use existing Next.js + Supabase APIs
- Implement event browsing, registration, and QR-code tickets
- Build announcements & notifications feed
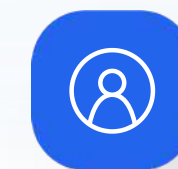- Prepare the app for Android/iOS deployment and OTA updates

1 Trainee

Technologies and Tools :

- React Native / Expo
- TypeScript
- React Navigation
- Secure Storage for tokens
- Next.js API routes & Supabase backend
- Expo Build Tools & OTA Updates

Required profile

Engineer profile

Mobile UI/UX Design System & First App Experience

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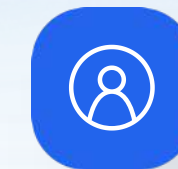SUPPORTING TEAMS, SIMPLIFYING SUCCESS

REF: PFE-2026-09

Create a unified mobile design system and define the UX foundations for the Clubedge mobile application.
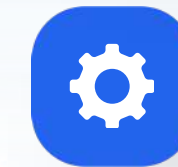The intern will establish the visual language, component library, interaction patterns, and core user flows to ensure a consistent, scalable, and high-quality mobile experience across the app.

RESPONSIBILITIES

- Create a complete mobile design system in Figma (colors, typography, spacing, components)
- Define reusable UI components aligned with React Native + NativeWind
- Design core mobile flows
- Establish navigation patterns and interaction rules
- Improve accessibility, responsiveness, and dark-mode support
- Document design tokens and ensure smooth design
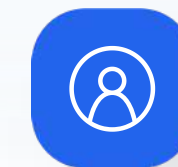 → development handoff

1 Trainee

Technologies and Tools :

- Figma / FigJam (design system, components, prototypes)
- Mobile UI Patterns (iOS & Android)
- Design Tokens & Component Guidelines
- Native Mobile Layout Principles
- React Native UI Constraints Awareness

Required profile

Bachelor or Master Profile

Content Engine & Acquisition Funnel Design

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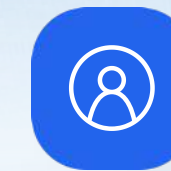SUPPORTING TEAMS, SIMPLIFYING SUCCESS

REF: PFE-2026-10

Design and implement a scalable marketing engine combining consistent content production with a structured acquisition funnel.
The project focuses on weekly content creation, targeted outbound strategies, market research, and performance analytics to support growth and visibility.

RESPONSIBILITIES

- Create a weekly content pipeline (reels, posts, stories)
- Build a structured acquisition funnel for targeted outreach
- Produce testimonials, success stories & B2B content
- Define ICPs & buyer personas
- Conduct market & competitor analysis
- Create landing pages, email sequences & outreach scripts
- Develop a growth dashboard and track performance KPIs
- Provide recommendations on positioning & channel strategy
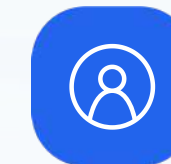
1 Trainee

Technologies and Tools :

- Canva / Photoshop / Illustrator
- Meta / LinkedIn / X
- Notion / Trello
- Google Analytics / Search Console
- Email outreach tools
- SEO tools

Required profile

Bachelor's or Master's Profile in:

- Marketing
- Digital Marketing
- Business / Commerce
- Growth Marketing or related field

Join us today!

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