BAC HA SOFTWARE

TOP SOFTWARE DEVELOPMENT COMPANY

bachasoftware.com • bhsoft.vn • odumi.vn

Agenda

About Us 1

Our story & awards 2

Our clients 3

Our Tech Stack 4

Our Expertise 5

Tech Domain 6

Industry Verticals 7

Case Studies 8

Legacy Transformation Projects 9

Automation Technology Projects 14

Low-code Development Projects 19

Smart City Projects 24

Odoo-Based Projects 29

Contact Us 34



About Us

Founded in 2014, Bac Ha Software Co., Ltd. (BHSoft) is a Vietnam-based software development company delivering technology solutions for startups and enterprises across diverse industries. Over the years, BHSoft has expanded into a full-spectrum engineering partner with expertise spanning Digital Twin, smart infrastructure, enterprise operations, and software product development.

We are proud to be ISO 27001 and ISO 9001 certified, reflecting our commitment to software quality and information security. BHSoft is also an official Odoo Partner, strengthening our capability in enterprise operations and ERP implementation. In addition, we have received industry recognition from organizations such as Cesium, Clutch, and GoodFirms for our engineering expertise and delivery excellence.

ISSQ ISO 9001:2015

ISSQ ISO/IEC 27001:2013

odoo Ready Partner

CESIUM CERTIFIED DEVELOPER

Our Clients

Viasys VDC

ignite ROI ADVERTISING

DevScout

VERIFIED Data Analytics

xD Visuals Oy
Visual Information Management

on-time

A·L

Bluebox

Reforest

TURBO IMAGES

NOVATRON
MACHINE CONTROL SYSTEMS

AQTr
Association québécoise des transports

Kobla

UCARE.AI

FileOptics
ELECTRONIC DOCUMENT SOLUTIONS

KISTERS

widget works

MES

Squizify

gigacôver

ESTIMATE
ESTIMATE WITH CONFIDENCE

platerate
rate what you ate

canibuild

応用技術株式会社
APPLIED TECHNOLOGY CO.,LTD.

Our Tech Stack


React


Angular


NodeJS


Odoo


AWS


Claude Code


GeoServer


Jenkins


Selenium


Prometheus


MySQL


Python


VueJS


Nest JS


Power Apps


GCP


Copilot


OpenLayers


GitLab CI/CD


Playwright


Grafana


PostgreSQL



Java


NextJS



ExpressJS


Outsystems


Azure


Gemini


Cesium


GitHub Actions



Cypress


Logstash


mongoDB


Swift


Flutter



Django



Mendix


Kubernetes


OpenAI Codex


Mapbox

Bitbucket

Robot Framework

Graylog

Redis

Kotlin

React Native

Spring

N8N

Docker

Cursor

Leaflet

Terraform

Appium

FluentD

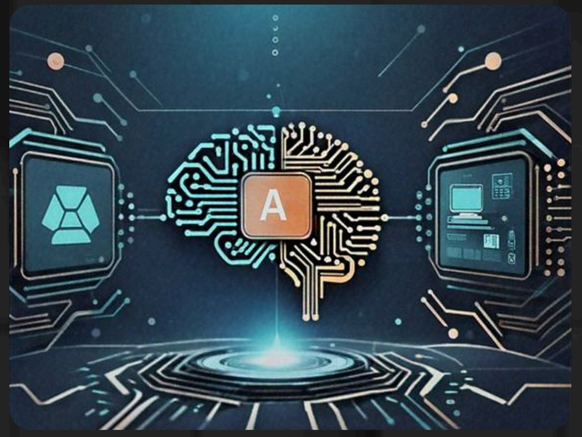
SQL Server

Our Expertise

Tech domain



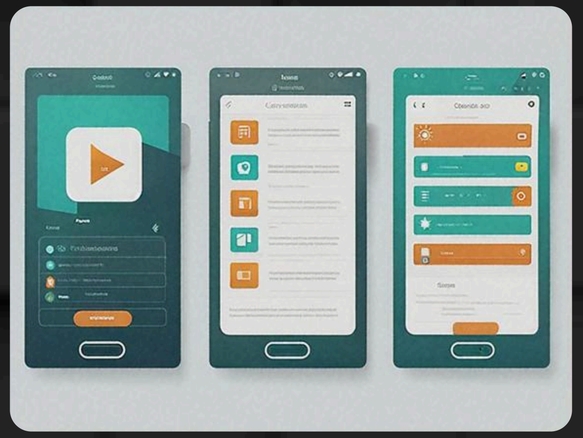
3D Geospatial/GIS/BIM



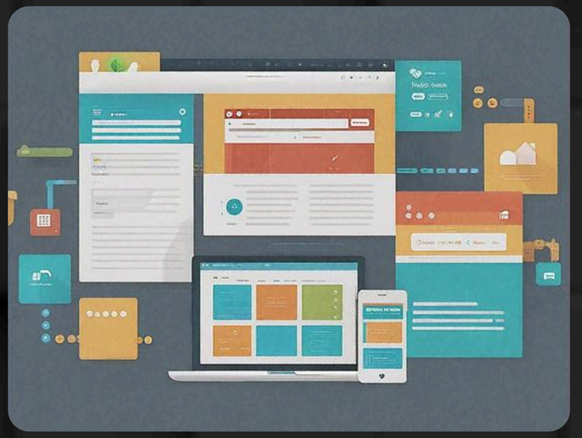
AI & ML



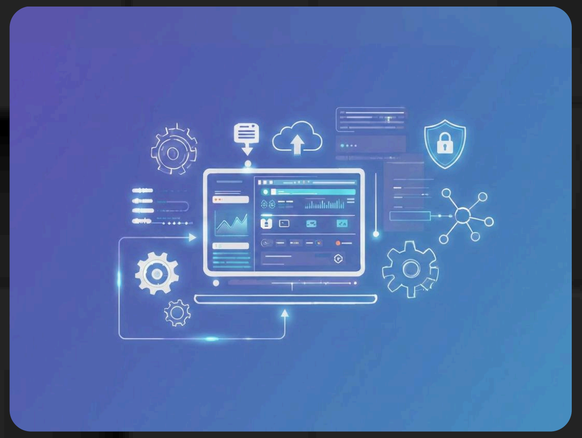
Cloud & DevOps



Mobile Application



Web Application



Automation Testing

Our Expertise

Industry Verticals



Smart Cities



Enterprise Software



Logistics & Supply Chain



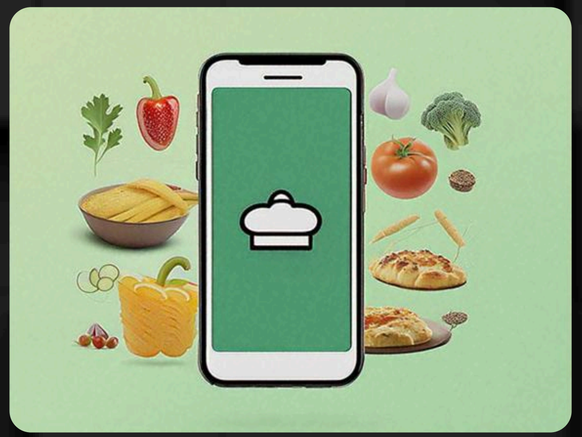
HR Tech



EdTech



Retail & E-commerce



Food & Beverage



Case Studies

Construction Inventory Management Platform

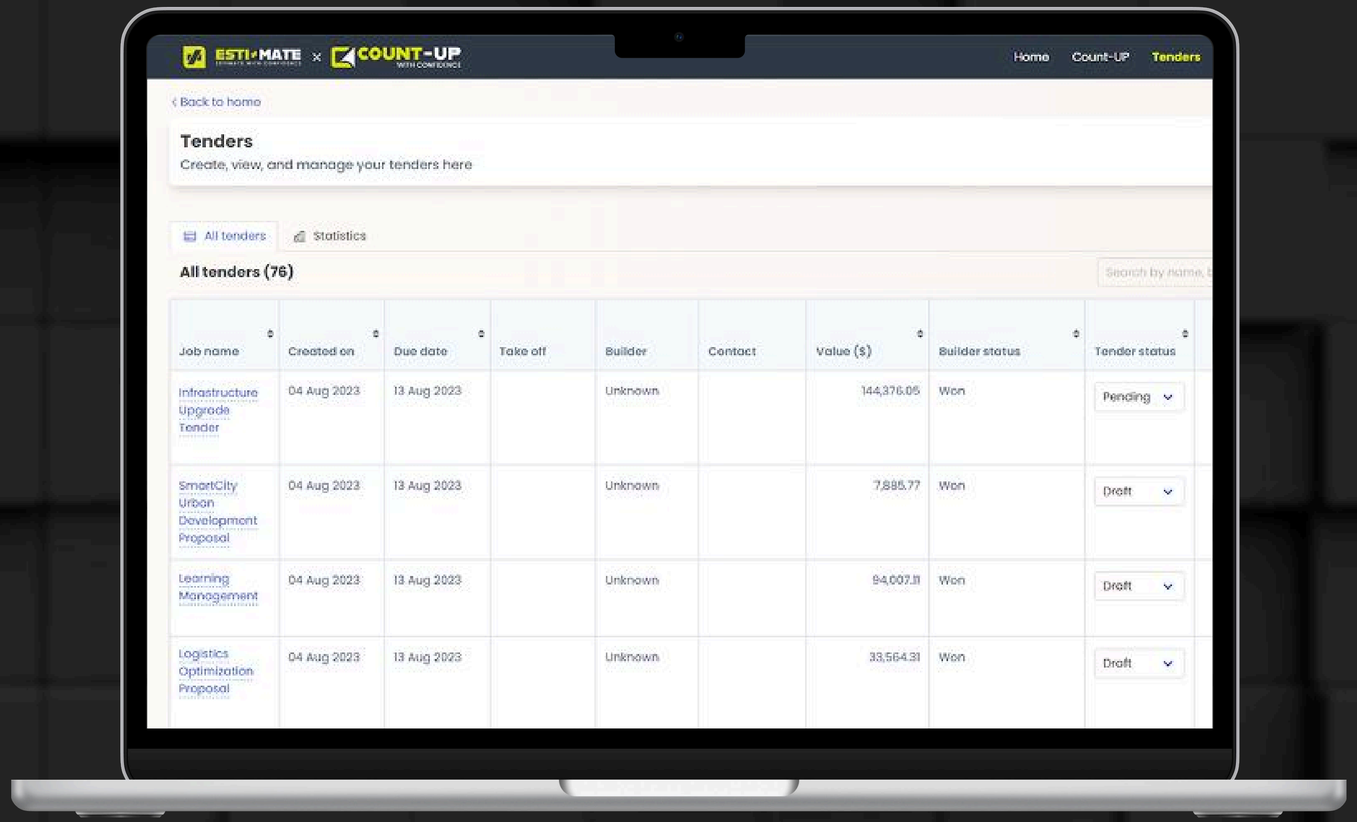
BHSoft transformed outdated, manual, and error-prone estimating processes into a modern, automated system for an Australian electrical company, improving accuracy, efficiency, and overall productivity.

PROJECT SIZE
20 MMs

TASK MANAGEMENT TOOL
Redmine

TECHNOLOGIES USED

Vue.js · Leaflet · node · mongoDB



“I’m very happy with BHSOFT's professional services.”

- Steve Buhagiar, CEO, Current Group

Applicant Portal & Candidate Tracking System

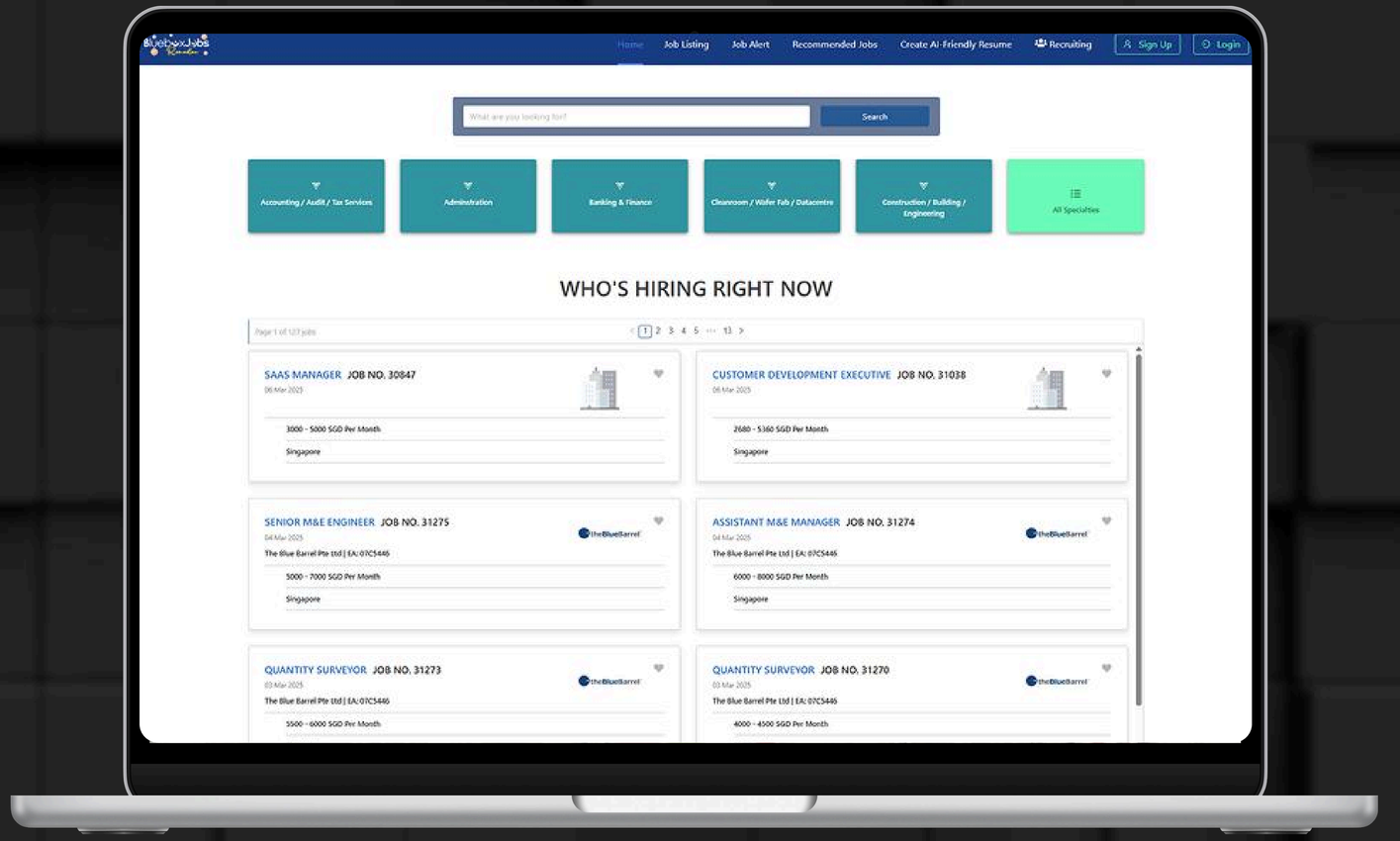
BHSoft upgraded an outdated applicant portal and candidate tracking system for a Singapore-based talent acquisition company with a new tech stack. We redesigned workflows, interfaces, and data structure to resolve issues and improve accuracy, productivity, and system performance.

PROJECT SIZE
50 MMs

TASK MANAGEMENT TOOL
Redmine

TECHNOLOGIES USED

Vue.js · JavaScript · NUXT · node.js · RASA · PostgreSQL · AWS Lambda · Amazon SES · Amazon S3



Car Wrap Management System

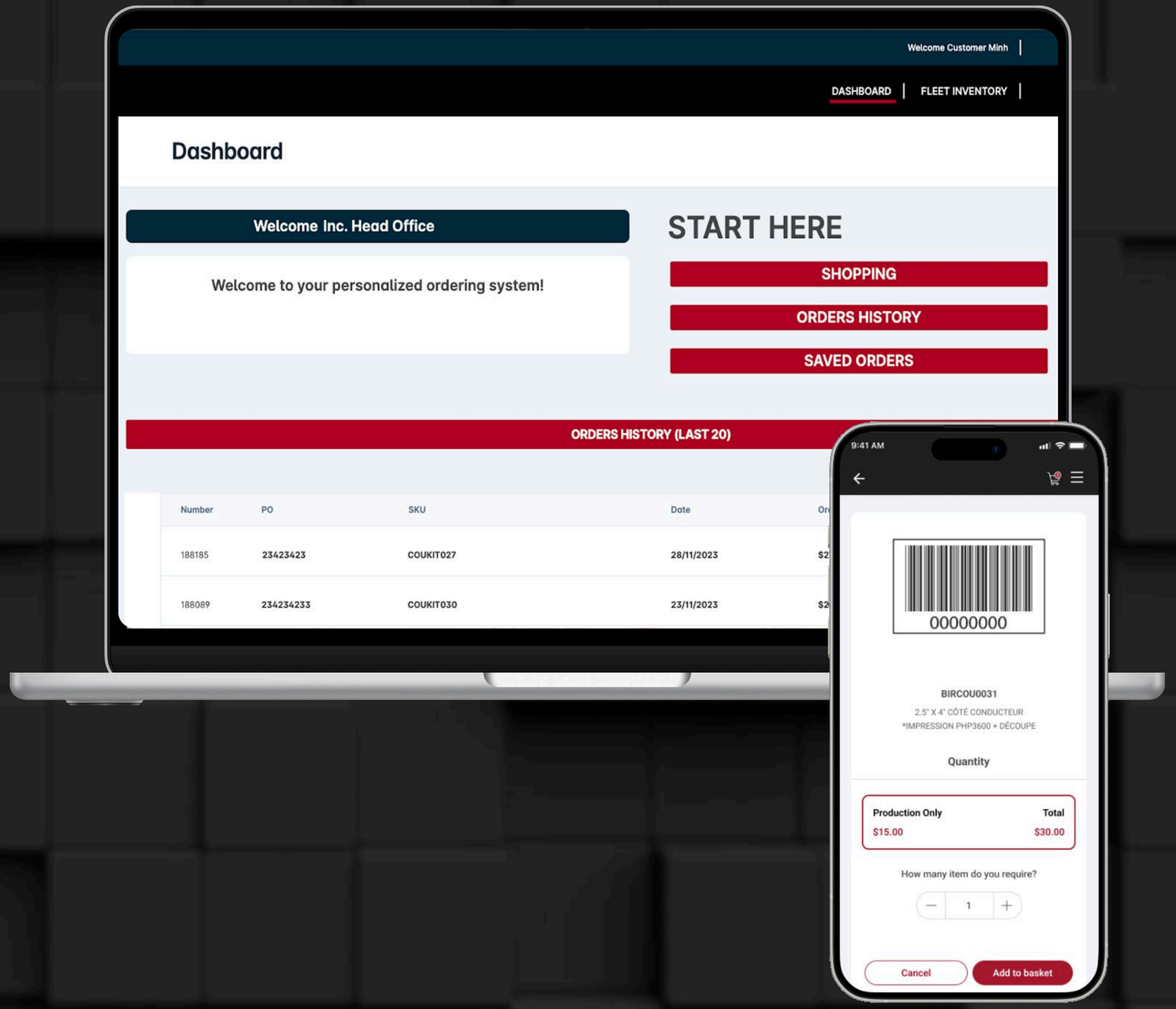
BHSoft built a unified system for a North American car wrap company, streamlining fleet graphics management. We replaced fragmented PHP, Node.js, Angular, and PSP versions with a single, optimized platform and enhanced UI/UX by migrating to AngularJS.

PROJECT SIZE
50 MMs

TASK MANAGEMENT TOOL
Redmine

TECHNOLOGIES USED

AngularJS · nest · node.js · MySQL · Microsoft SQL Server



Kids Ecommerce Store Management Application

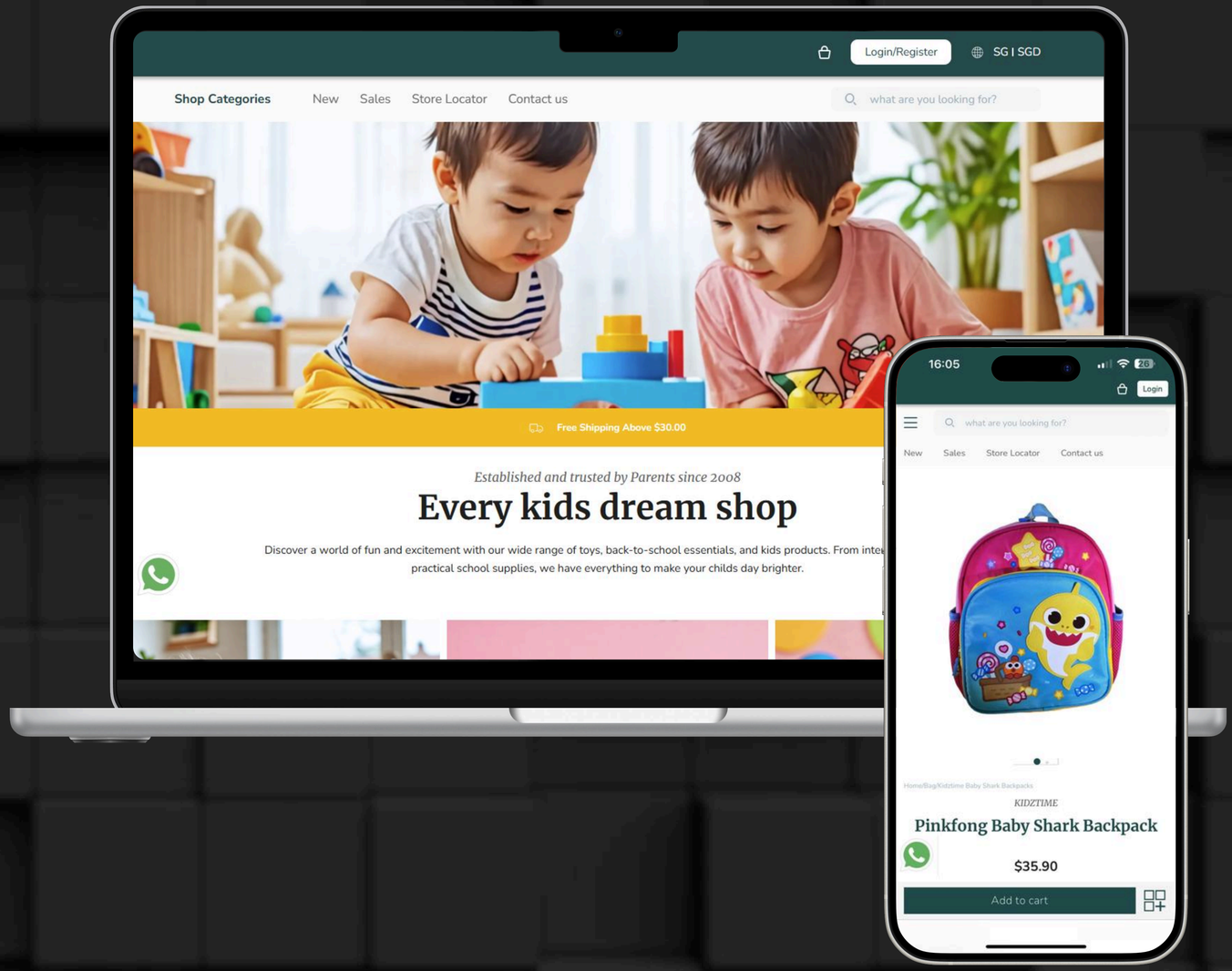
BHSoft built a web app for a children's retailer, ensuring a seamless shopping experience with reviews, ratings, and promotions. Initially using React-SRR and Node.js/Express.js, we migrated to Next.js and Nest.js for better performance. The latest version features a revamped UI and new functionalities.

PROJECT SIZE
100 MMs

TASK MANAGEMENT TOOL
Redmine

TECHNOLOGIES USED

JavaScript, Express JS, React, Next.js, TypeScript, nest, MySQL, Microsoft SQL Server, Amazon SES, Amazon S3



Hospital Data Analysis With Machine Learning

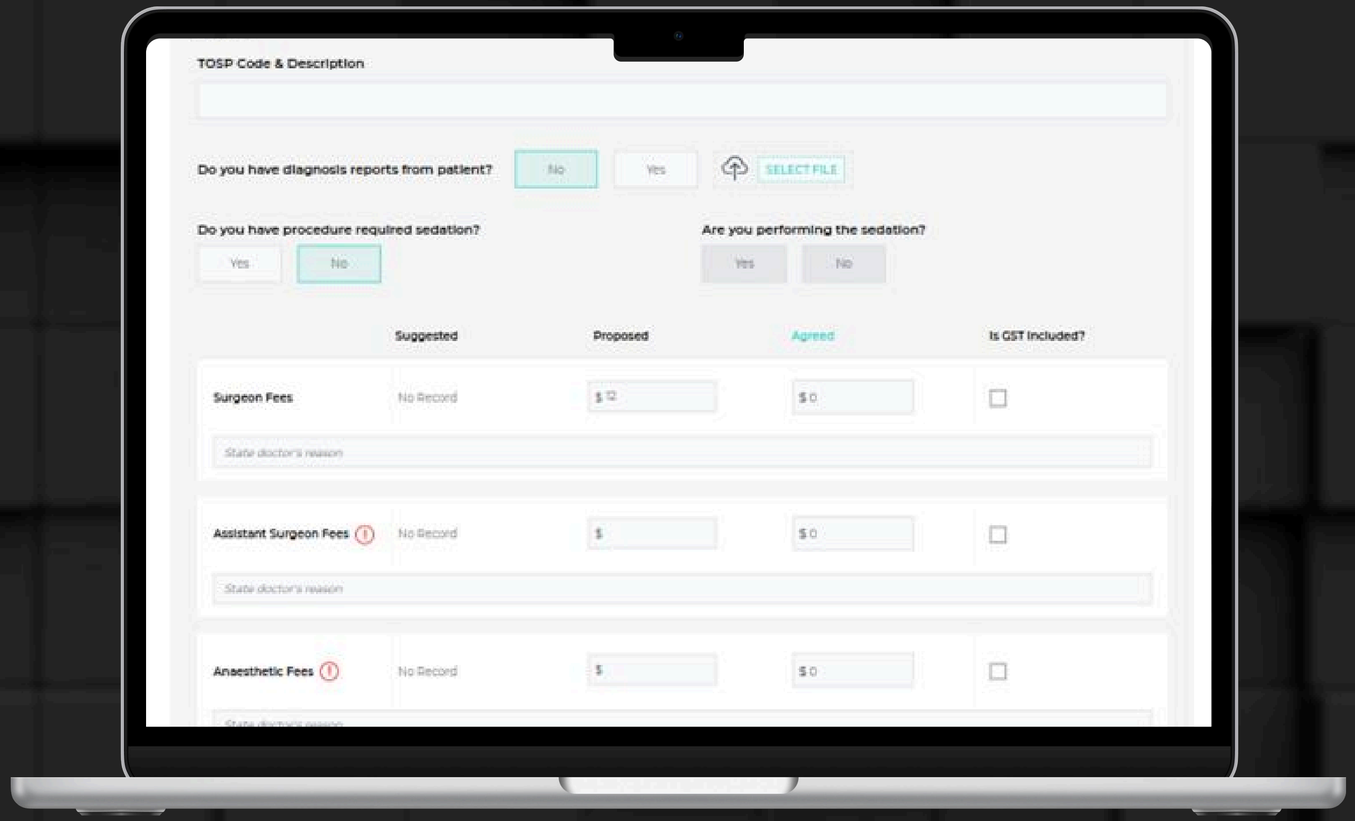
BHSoft analyzed codebase, optimized API and UI components for server-side rendering, facilitating the transition from React to Next.js for a Singapore-based healthcare technology company. This upgrade enabled a data-driven system streamlining hospital operations and resource management.

PROJECT SIZE
40 MMs

TASK MANAGEMENT TOOL
Jira

TECHNOLOGIES USED





Digital Asset Management Web Application

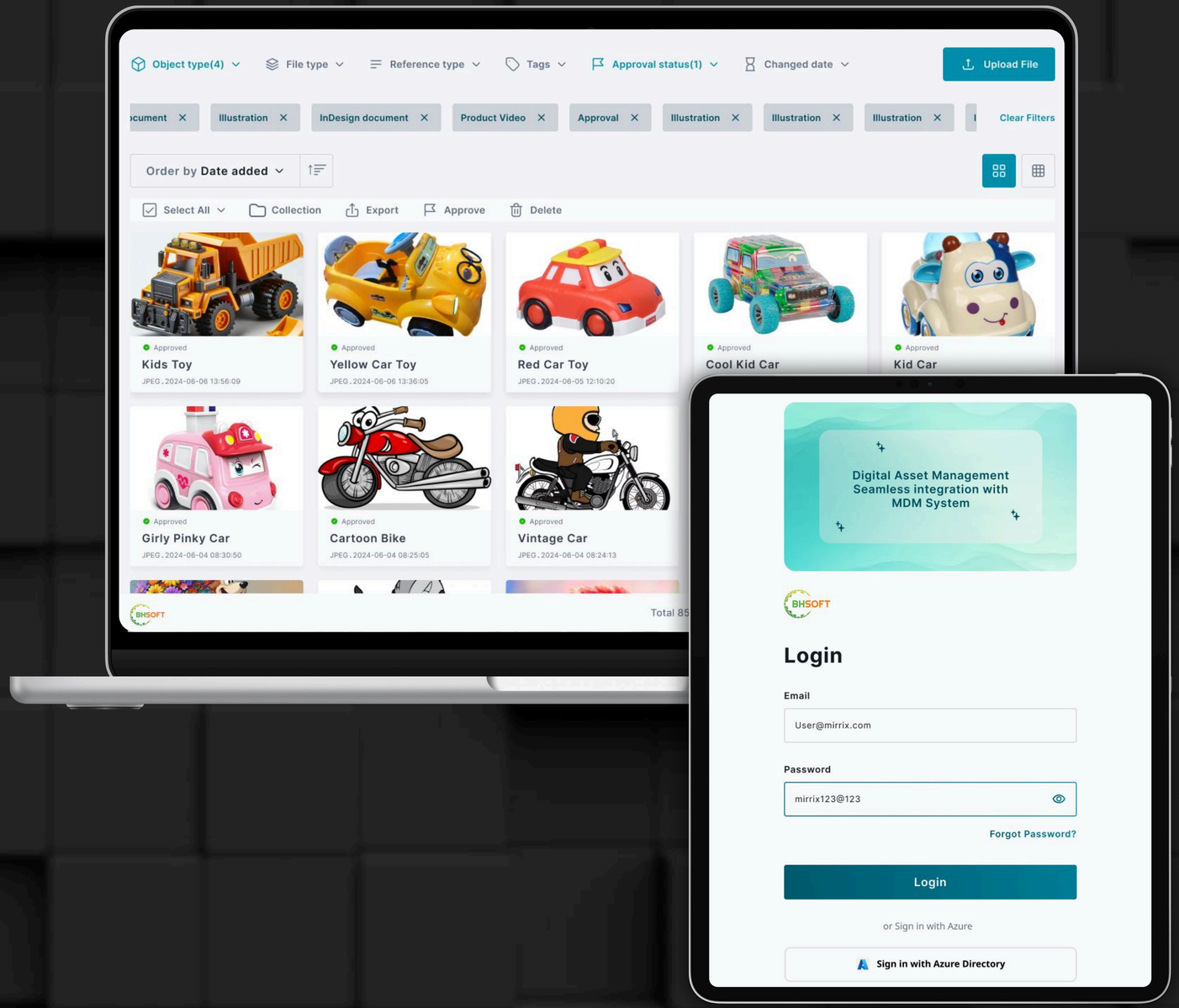
BHSoft built a scalable digital asset management system for a Denmark client, automating deployment with Terraform and integrating Azure AD and MDM. The result was a user-friendly platform with secure SSO, streamlined asset handling, and efficient release management.

PROJECT SIZE
10 MMs

TASK MANAGEMENT TOOL
Azure Board

TECHNOLOGIES USED

mongoDB, React, node, Terraform, Azure Pipelines, Azure Repos, DNS, Azure VM, Microsoft Azure Active Directory, Azure Static Web Apps



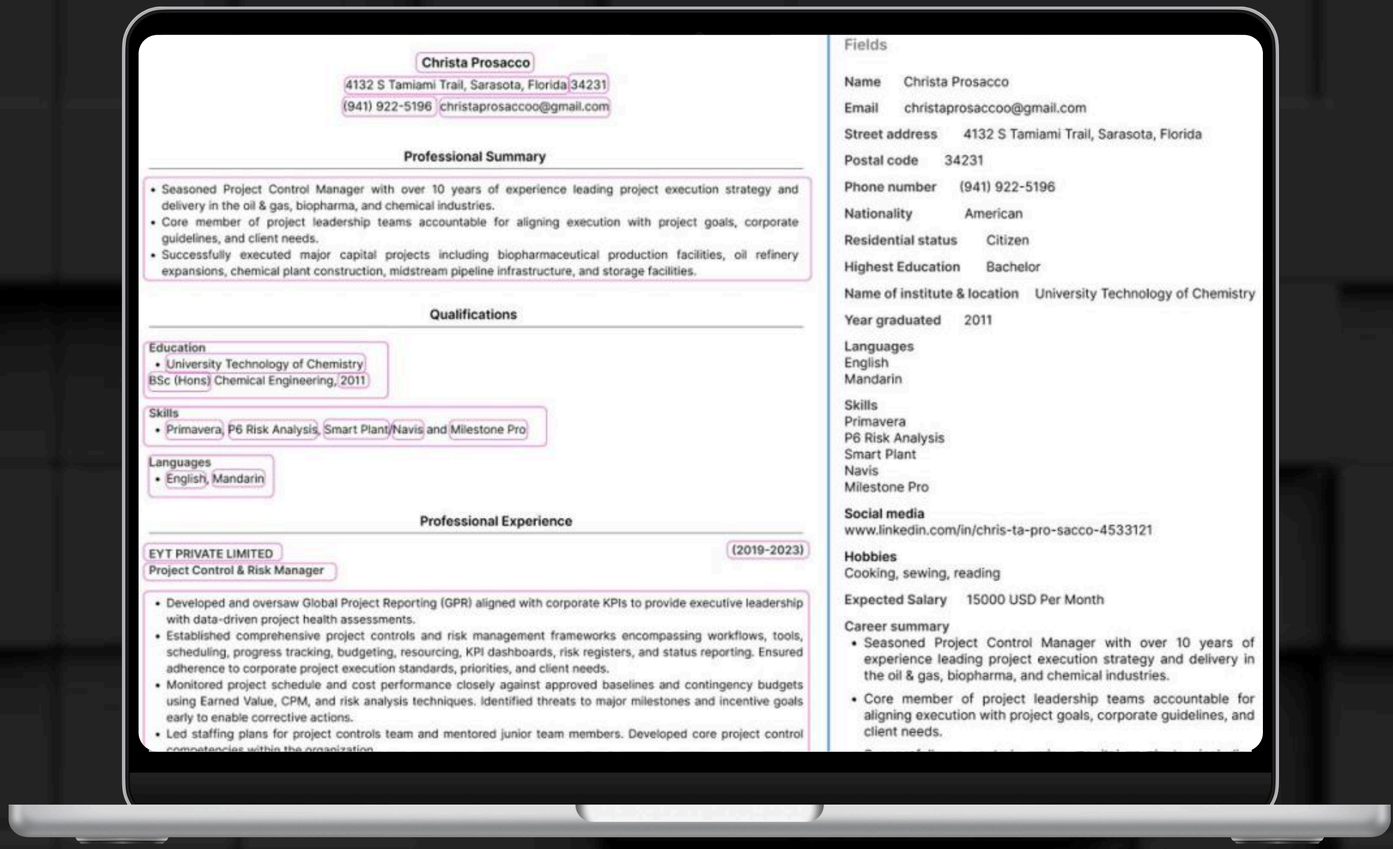
Machine Learning-Based Resume Parsing Solution

BHSoft built a Machine Learning model for a Singaporean Talent Acquisition company, revolutionizing resume screening. Integrated into the client's ATS, it extracts data from resumes and auto-populates relevant fields, reducing admin work for employers and ensuring accurate parsing for job seekers.

PROJECT SIZE
10 MMs

TASK MANAGEMENT TOOL
Redmine

TECHNOLOGIES USED



GLEAN

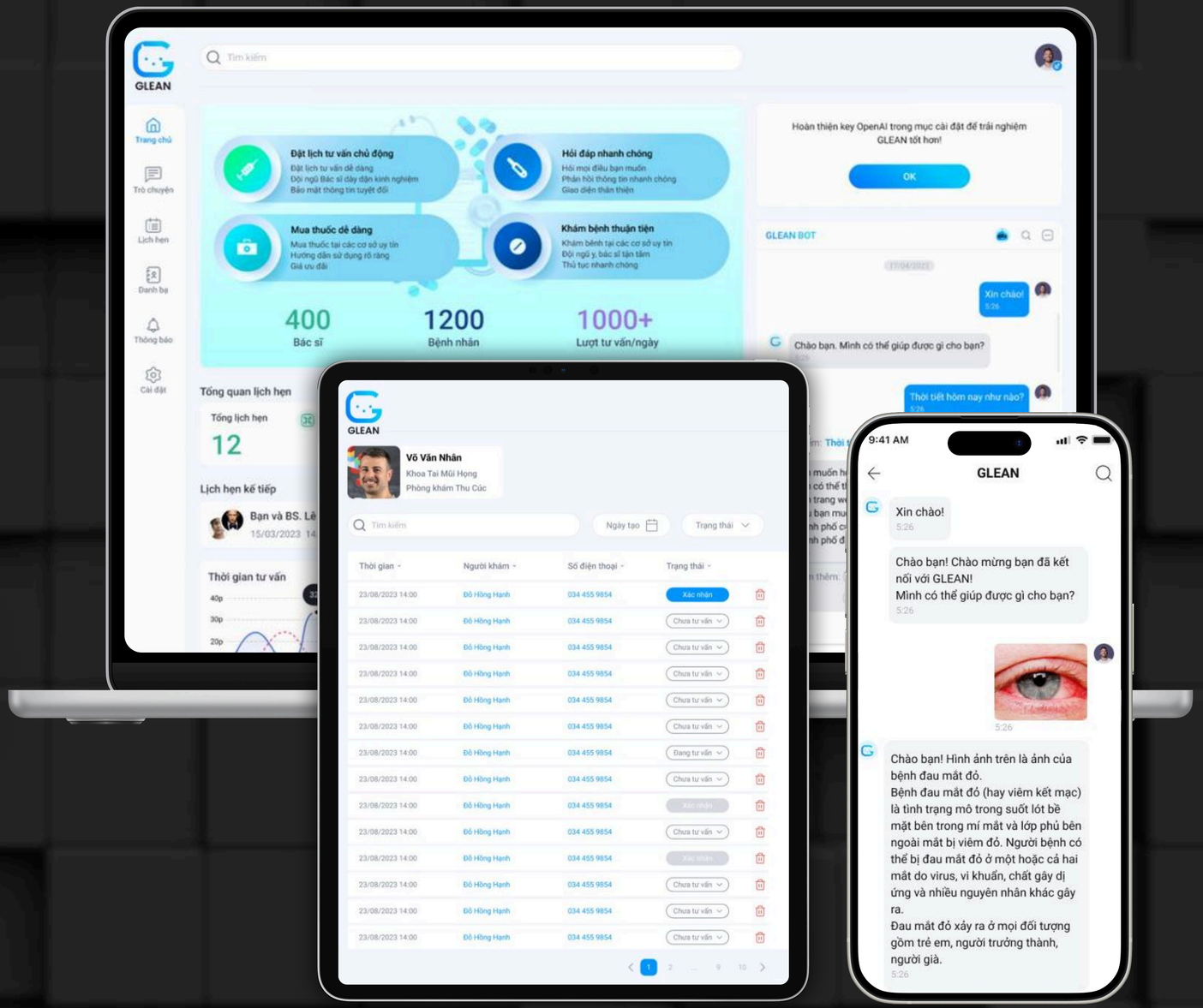
BHSoft developed GLEAN, an AI-powered platform for detecting and classifying eye diseases. It offers role-based access, enabling patients and doctors to chat, share conversations, and schedule appointments. GLEAN provides notifications and lets users upload eye images for AI-driven analysis.

PROJECT SIZE
12 MMs

TASK MANAGEMENT TOOL
Redmine

TECHNOLOGIES USED

AVAILABLE ON



ROOMCAP

BHSoft partnered with a Vietnamese tech company to develop a 3D room scanning tool using Apple's RoomPlan framework. Designed for architecture, interior design, and real estate, it enables real-time, precise modeling with LiDAR-equipped devices, streamlining workflows and enhancing accuracy.

PROJECT SIZE
3 MMs

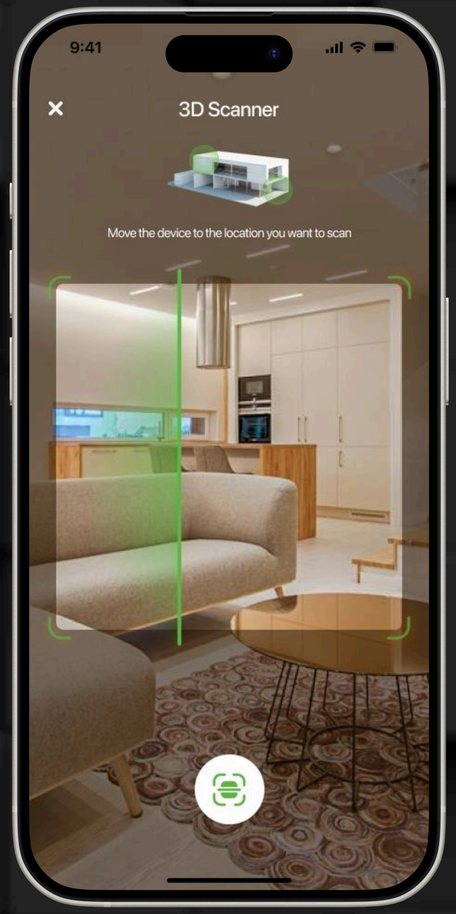
TASK MANAGEMENT TOOL
Redmine

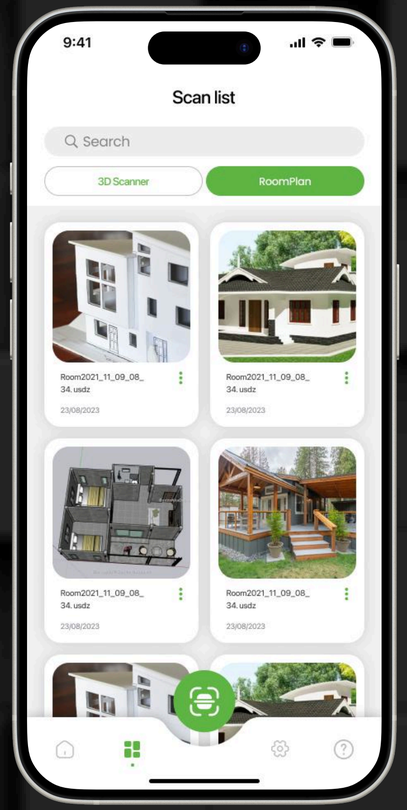
COMMUNICATION CHANNELS
Slack

TECHNOLOGIES USED

ARKit Swift

AVAILABLE ON





EFFACE

EFFACE is a photo editor specializing in object removal and background replacement using deep neural networks. Built with OpenCV, GAN, GNN, Inpainting and TensorFlow, it enables seamless editing. Users can remove objects, swap backgrounds, replace faces, erase marks, and edit effortlessly.

PROJECT SIZE
15 MMs

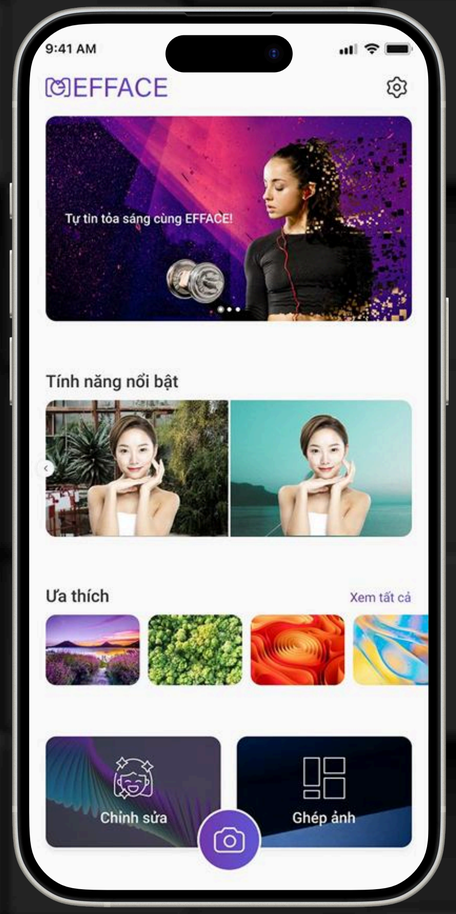
TASK MANAGEMENT TOOL
Redmine

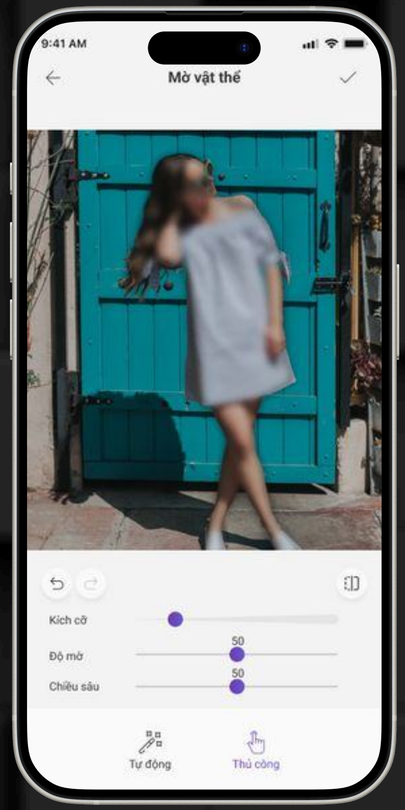
COMMUNICATION CHANNELS
Slack

TECHNOLOGIES USED

TensorFlow

OpenCV





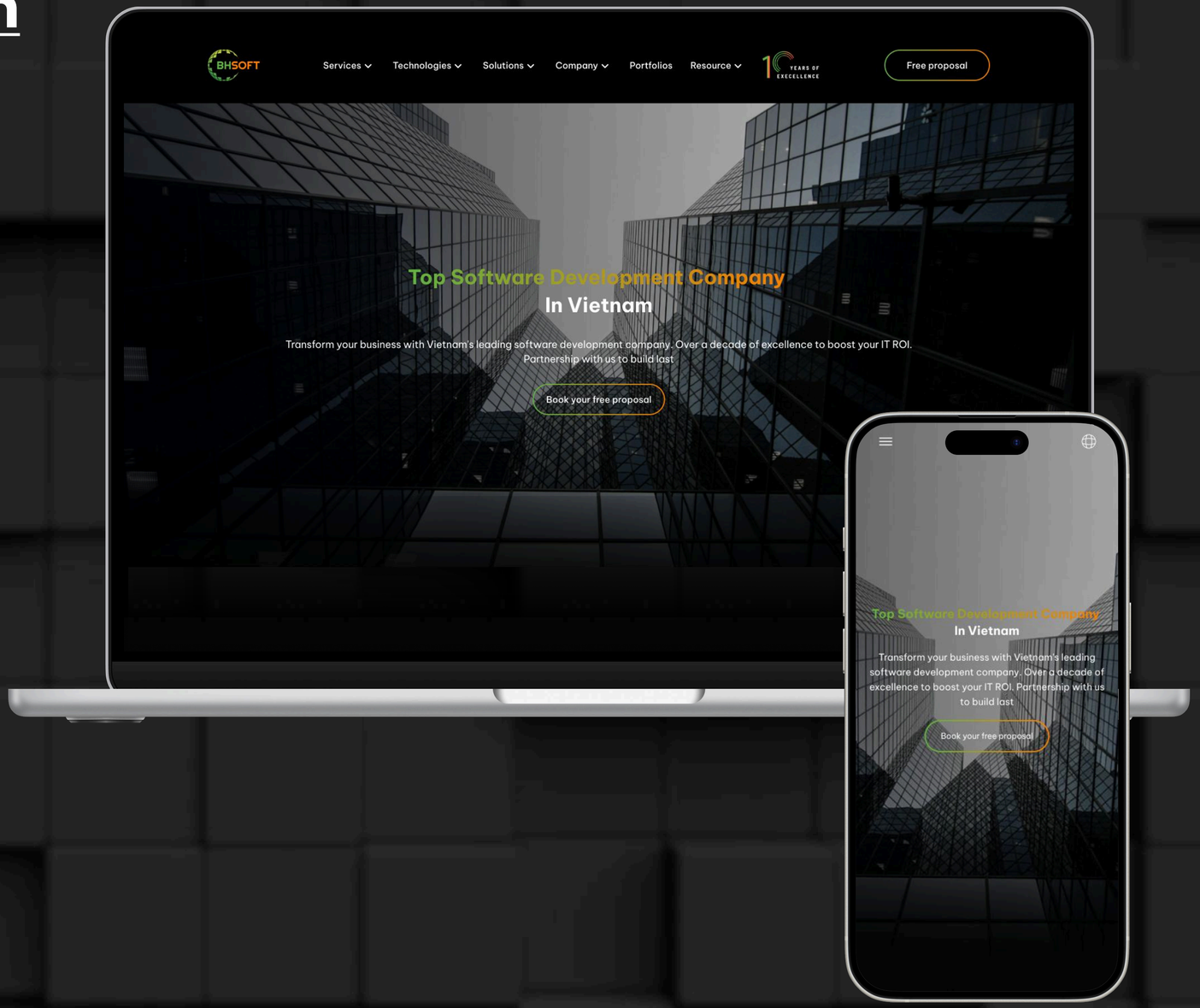
Website bachasoftware.com

BHSoft built its company website using Odoo Website, taking advantage of prebuilt components, drag-and-drop features, and custom widgets for specific pages. Odoo's built-in SEO support also improved site performance and visibility, resulting in a scalable and user-friendly website.

PROJECT SIZE
2 MMs

TASK MANAGEMENT TOOL
Redmine

TECHNOLOGIES USED



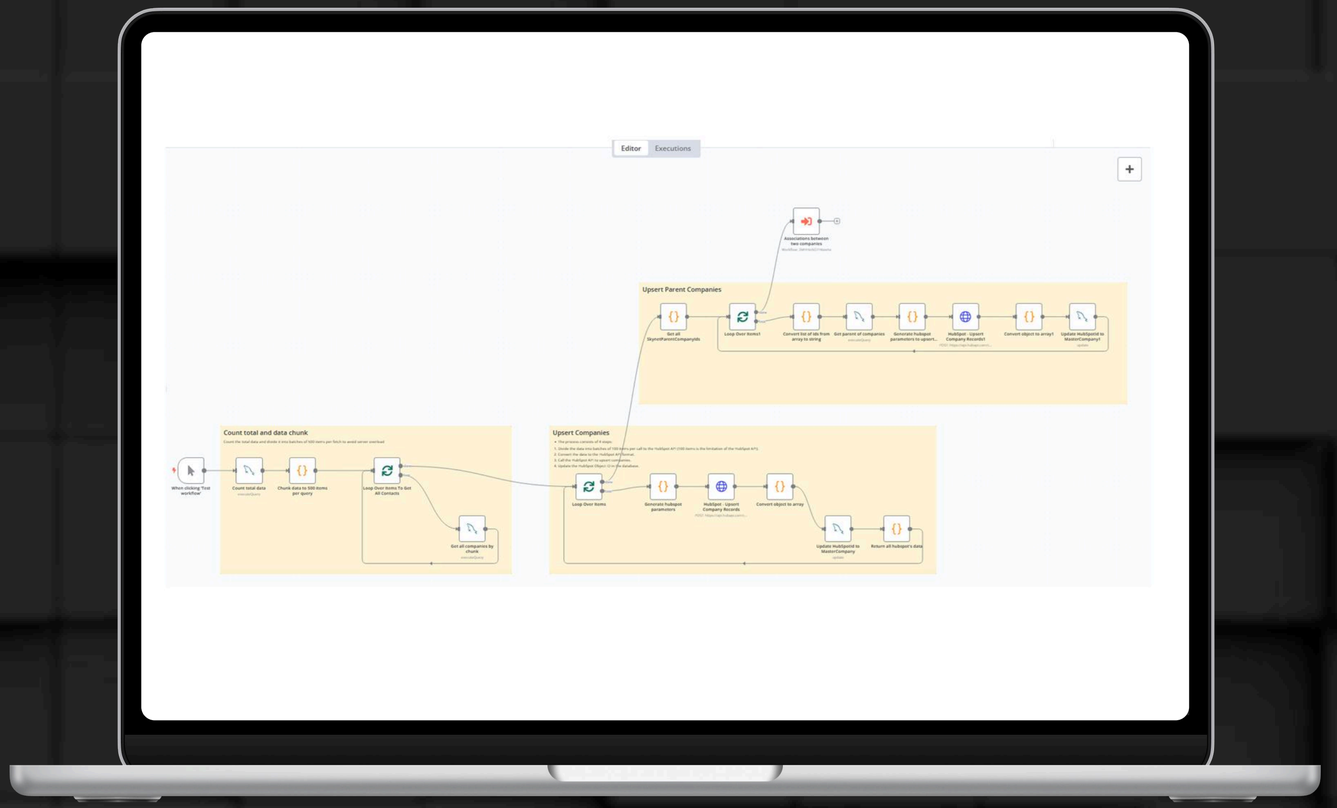
n8n-Powered HubSpot Sync

BHSoft integrated n8n - a self-hosted deployment with HubSpot for a Finnish client specializing in business networking, arranging pre-qualified meetings for industry leaders. This automates data sync with HubSpot's CRM, providing real-time insights to optimize campaigns and engagement.

PROJECT SIZE
2 MMs

TASK MANAGEMENT TOOL
Jira

TECHNOLOGIES USED



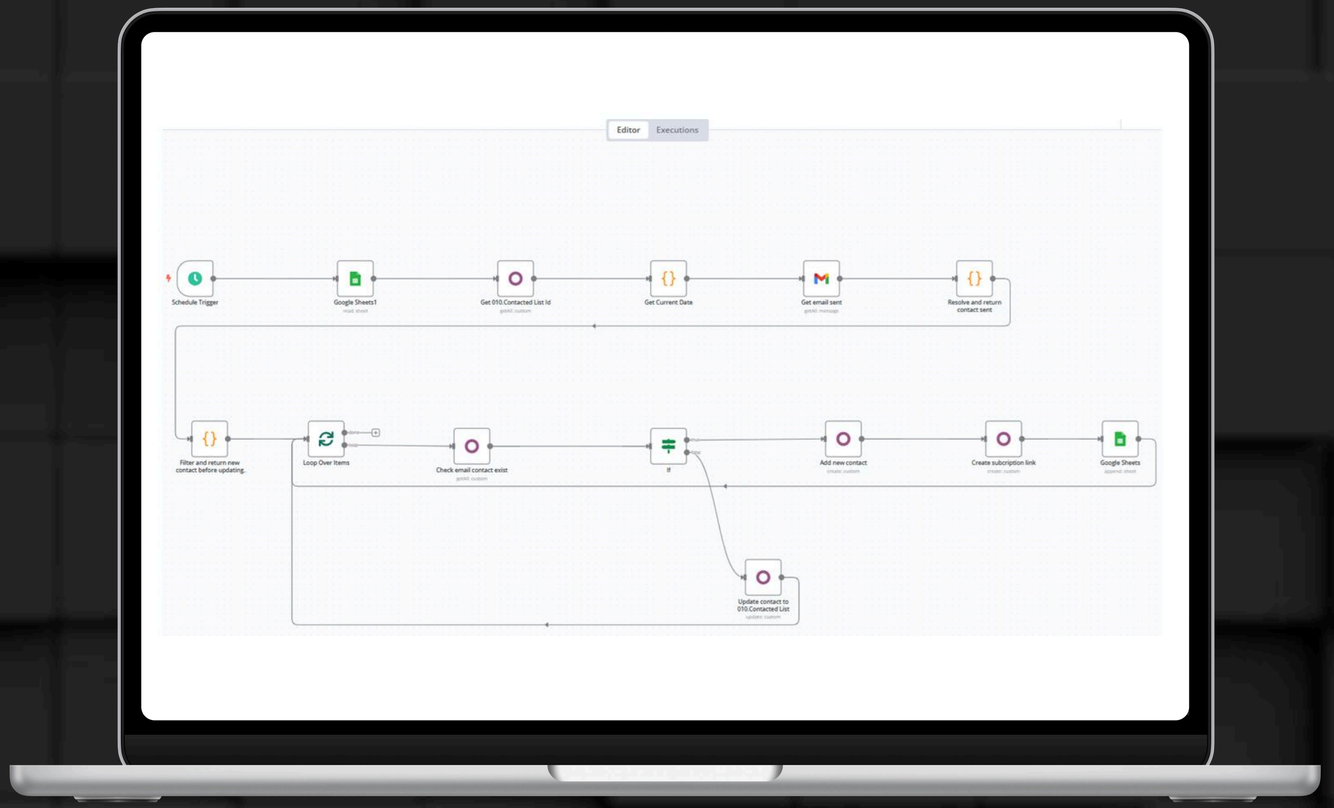
Automated Contact Enrichment with n8n

BHSoft integrated n8n with HubSpot and Odoo to automate internal contact synchronization. Each night, it scans sent emails, extracts recipients, and updates Odoo Contacts. New contacts are added, while existing ones are enriched with real-time data, improving CRM accuracy and marketing efficiency.

PROJECT SIZE
1 MM

TASK MANAGEMENT TOOL
Redmine

TECHNOLOGIES USED



Outplacement & Transition Management Platform

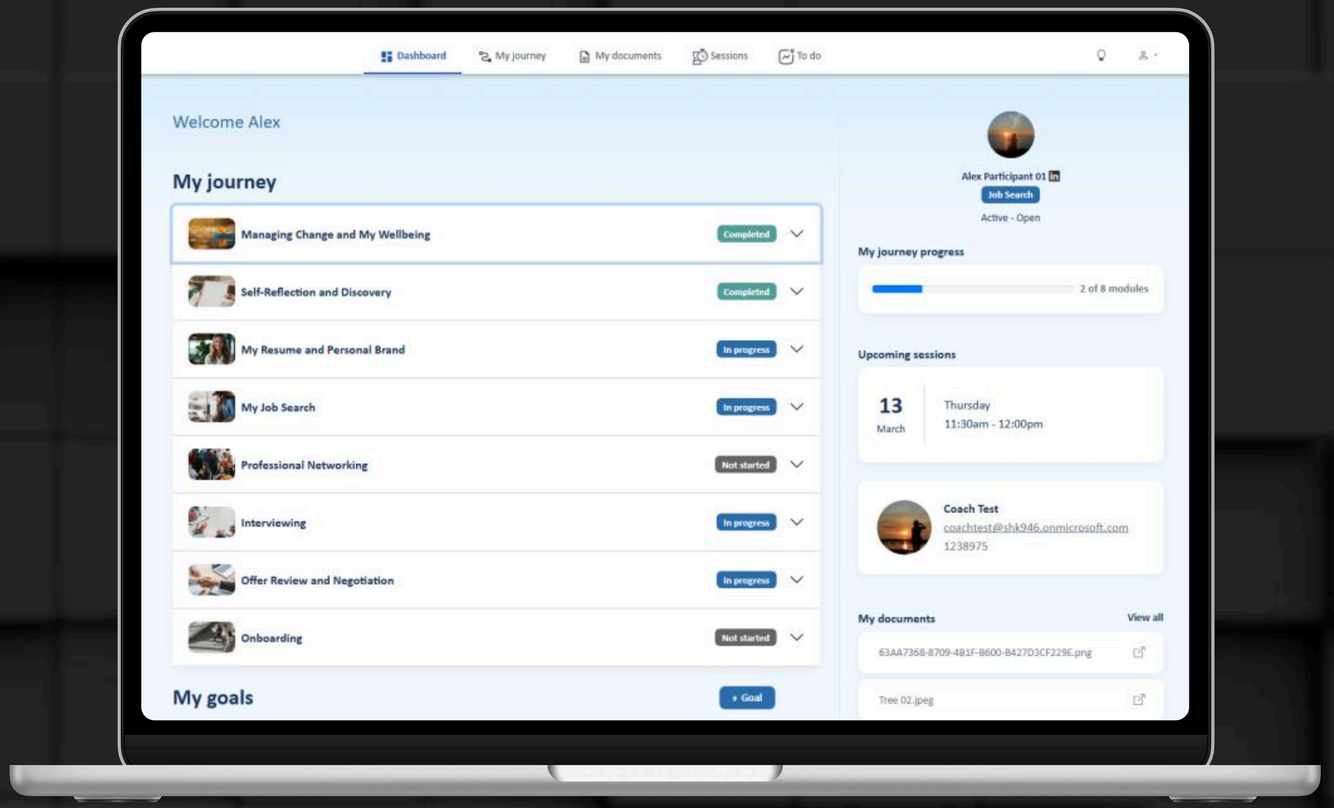
BHSoft built a career management platform for an Australian outplacement firm. Serving organizations across Australia and New Zealand, it streamlines workforce transitions, offering personalized career support for departing employees while helping companies manage departures efficiently.

PROJECT SIZE
5 MMs

TASK MANAGEMENT TOOL
Redmine

TECHNOLOGIES USED

M365 Power Automate PowerApps



School Engagement System

BHSoft developed a Power Pages platform for a school management organization, enabling member schools to share resources and promote digital citizenship. Integrated with Dynamics 365 CRM, it streamlines website creation and information management without coding expertise.

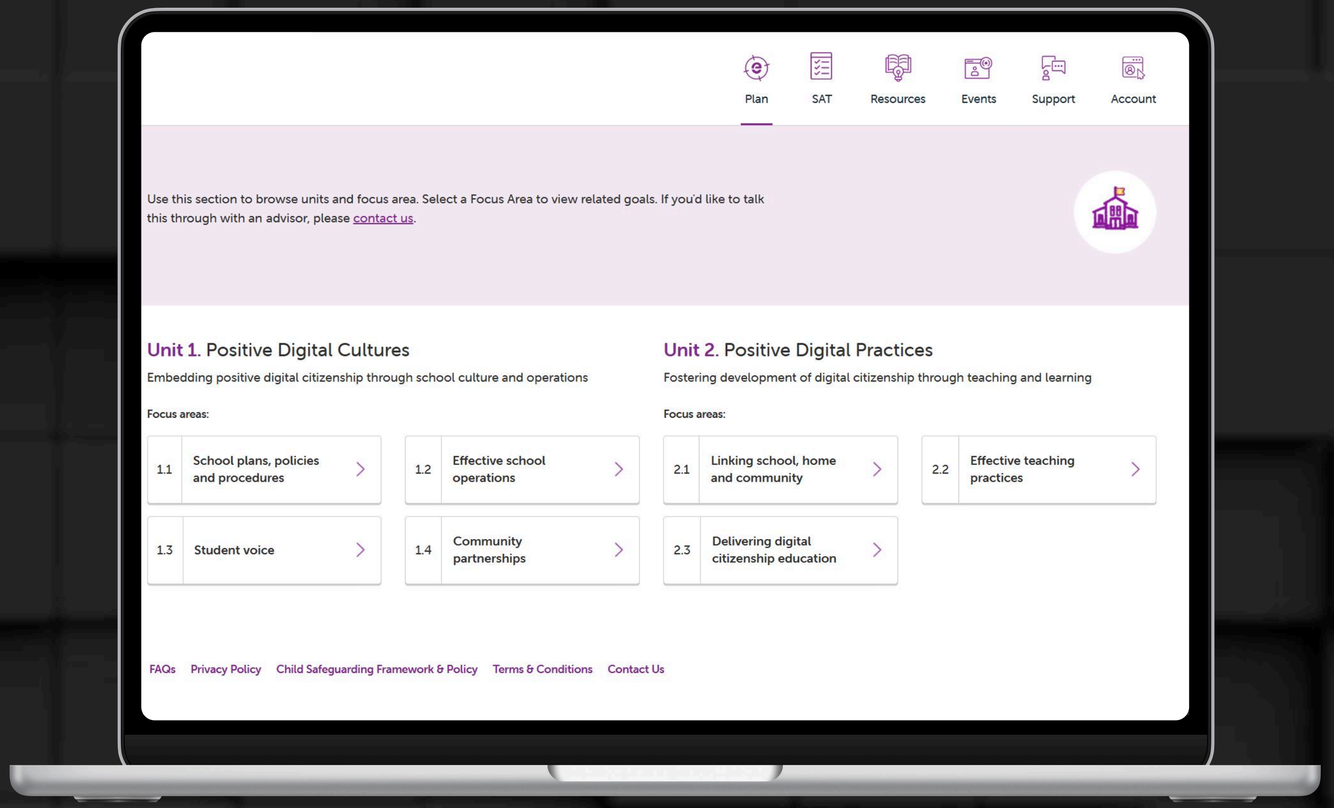
PROJECT SIZE
5 MMs

TASK MANAGEMENT TOOL
Asana

TECHNOLOGIES USED

PowerApps

Microsoft Power Pages



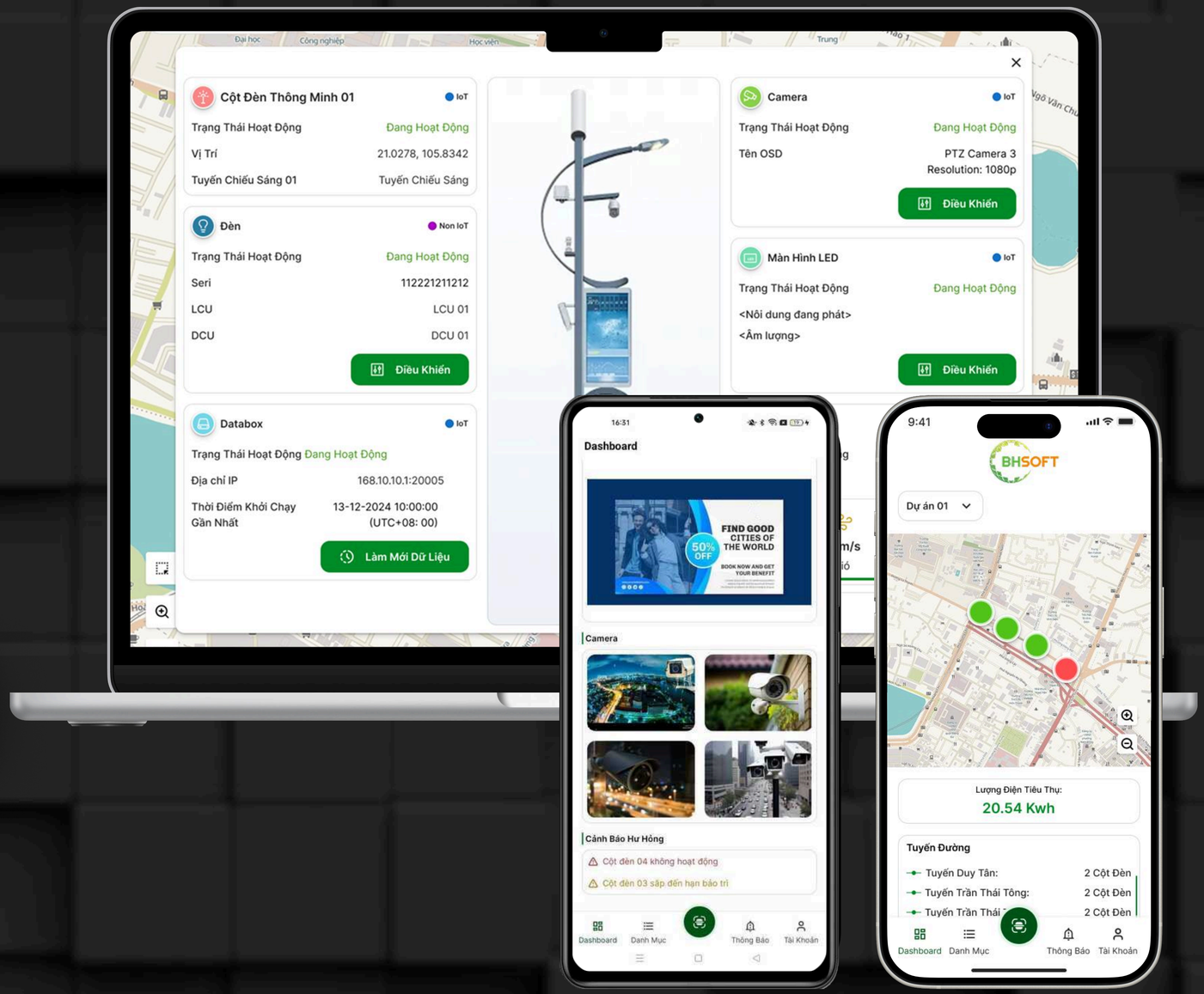
Smart Poles & Smart Lighting Management System

BHSoft has been developing a smart city solution for outdoor lighting and infrastructure management, prioritizing energy efficiency and scalability. The outcome is a high-performance system with seamless device integration and flexible user access management.

PROJECT SIZE
50 MMs

TASK MANAGEMENT TOOL
Redmine

TECHNOLOGIES USED



Smart Lighting Management System

BHSoft developed a smart lighting management platform for a Vietnamese company, delivering web and mobile (iOS & Android) apps. The system enables organizations to manage equipment, light stations, and electrical cabinets through centralized control. With real-time monitoring and user management, it enhances efficiency and smart infrastructure.

PROJECT SIZE
50 MMs

TASK MANAGEMENT TOOL
Trello

TECHNOLOGIES USED

Vue.js, node.js, Laravel, React Native, PostgreSQL, NGINX, docker, Amazon S3, Amazon EC2, aws IoT, amazon RDS, appium, ROBOT FRAME WORK



Smart 3D Urban Planning with BIM & GIS

BHSoft built a virtual playground for a Finnish city planning client to manage, simulate, and optimize projects. The platform enables collaboration via a 4D digital twin, AR/VR-supported architectural design, and infrastructure management with surveys, drones, as-built data, etc.



PROJECT SIZE
100 MMs

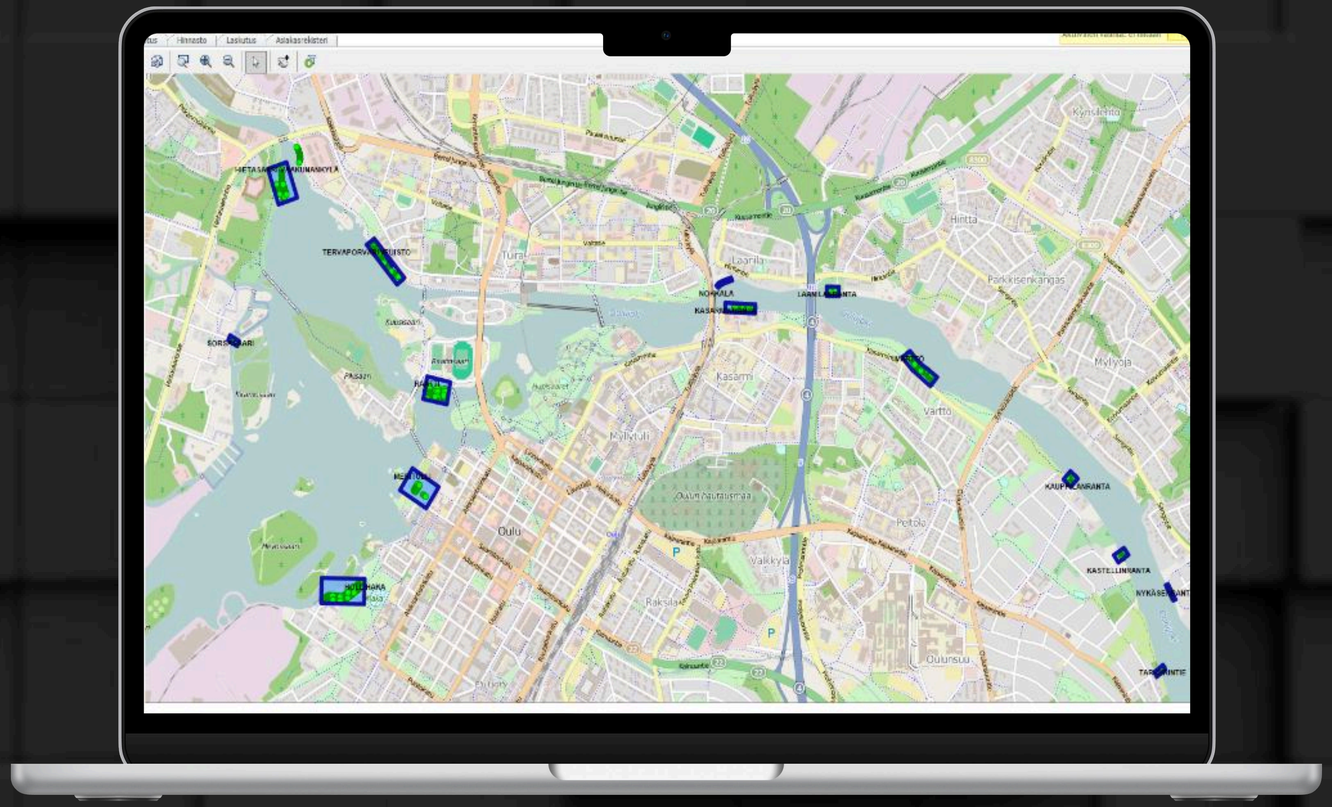
TASK MANAGEMENT TOOL
Jira

TECHNOLOGIES USED

React · node.js · mongoDB · three.js · CESIUM · AWS Lambda

Construction Project Management System

BHSoft developed a smart city platform for Finnish authorities to manage construction projects, documents, assets, and subcontractors. With scheduling, machine tracking, 3D models, and BIM integration, it enhances urban project control and visualization.



PROJECT SIZE
60 MMs

TASK MANAGEMENT TOOL
Trello

TECHNOLOGIES USED

AngularJS, jQuery, Bootstrap, HTML, JavaScript, crystal reports, Tomcat, OpenLayers, Open Street Map, GeoServer, MapInfo, ORACLE, C#, IIS, WinForm .NET, ASP.NET, ASP.NET Webforms, REST API, PostGIS, PostgreSQL

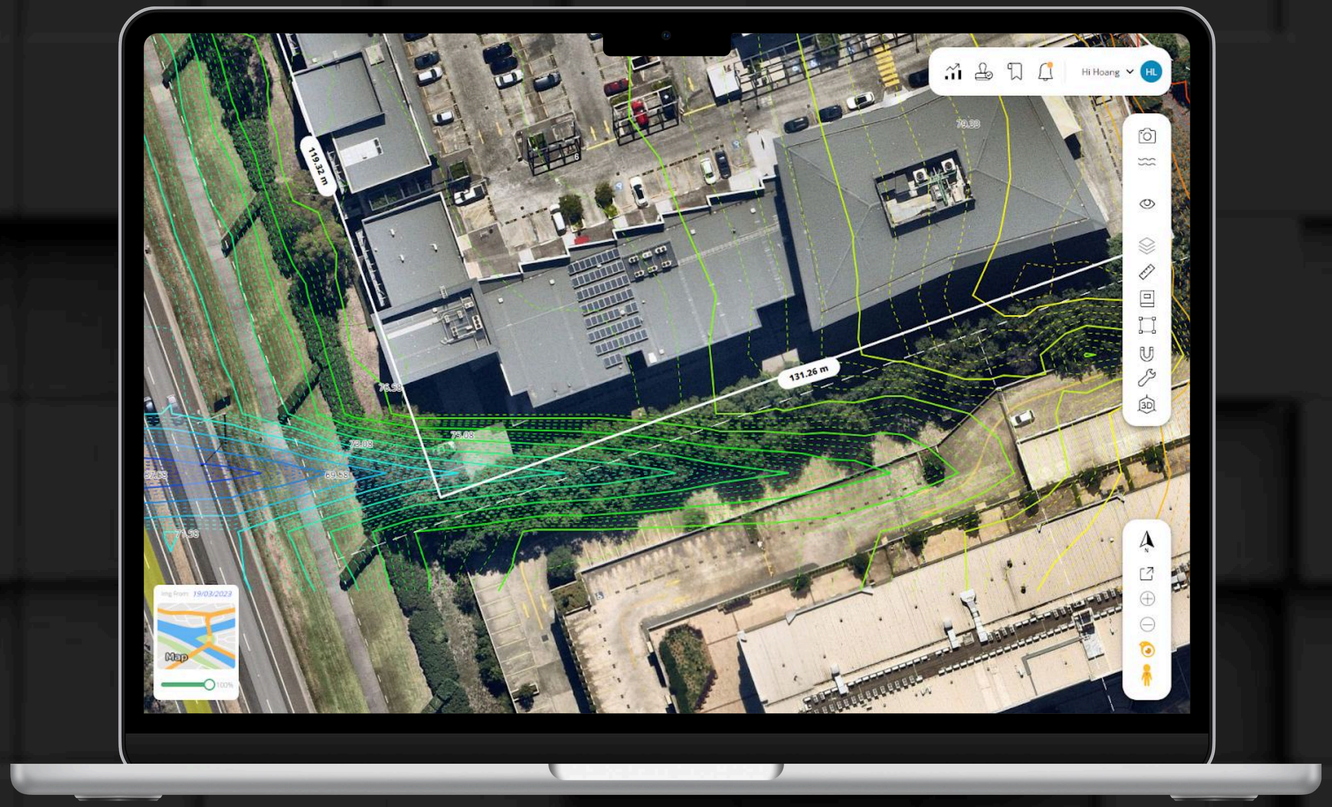
Smart Construction Mapping & Design Platform

BHSoft developed a drawing tool for an Australian construction platform, enabling users to customize home, pool, and site plans. Using the Leaflet library, we built features for polygon creation, editing, snapping, and curved line drawing, seamlessly integrating with the client's existing map system.

PROJECT SIZE
50 MMs

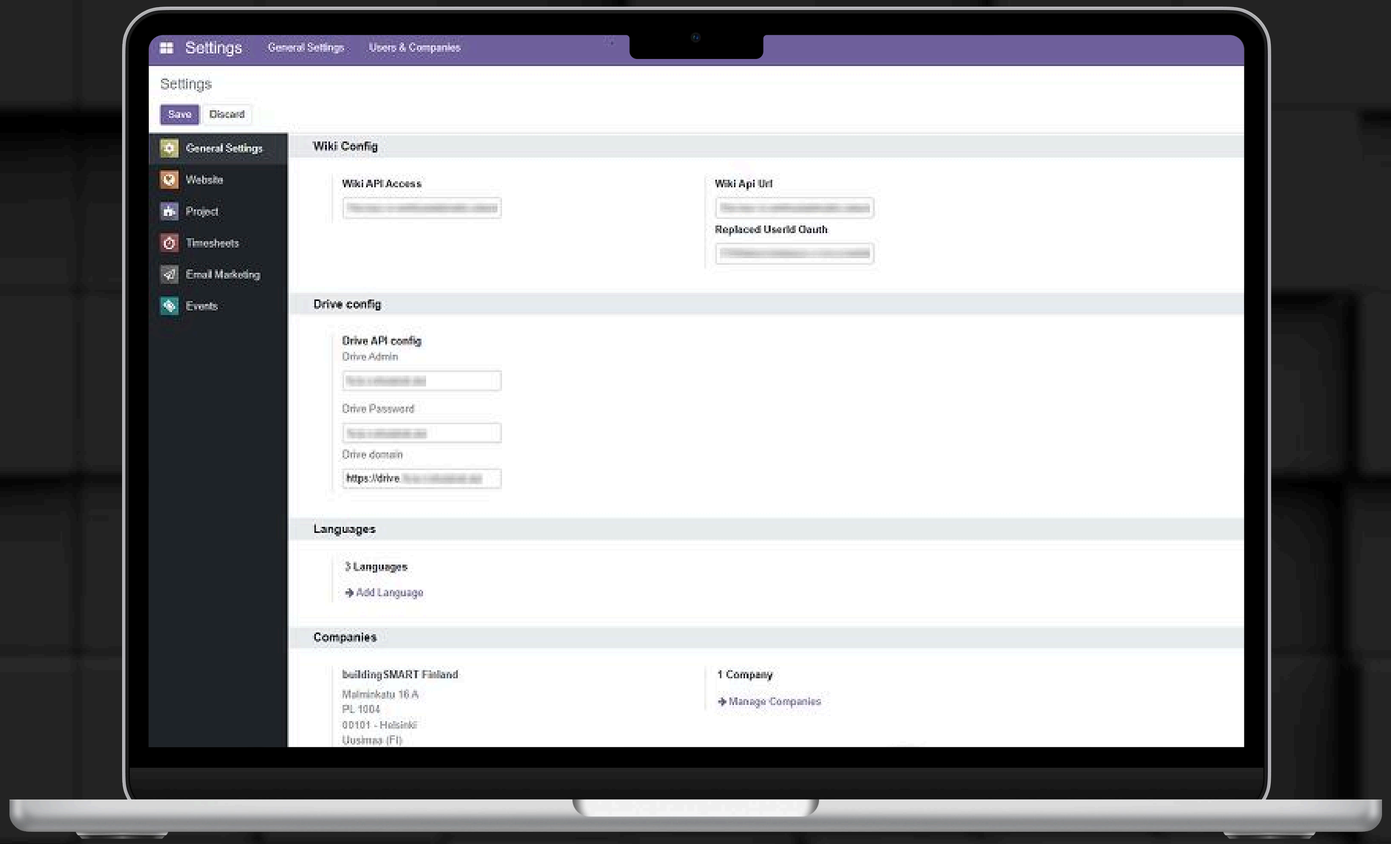
TASK MANAGEMENT TOOL
Jira

TECHNOLOGIES USED



User Authentication and User Group Control

The client, a Finnish city planning business, has worked with BHSoft for over 10 years. We previously developed a web app to support their urban construction and planning projects, and later they required Single Sign-On (SSO) integration and user group control using Odoo, along with additional features.



PROJECT SIZE

5 MMs

TASK MANAGEMENT TOOL

Jira

TECHNOLOGIES USED

odoo

OAUTH 2

Amazon EC2

Amazon S3

AWS Cognito

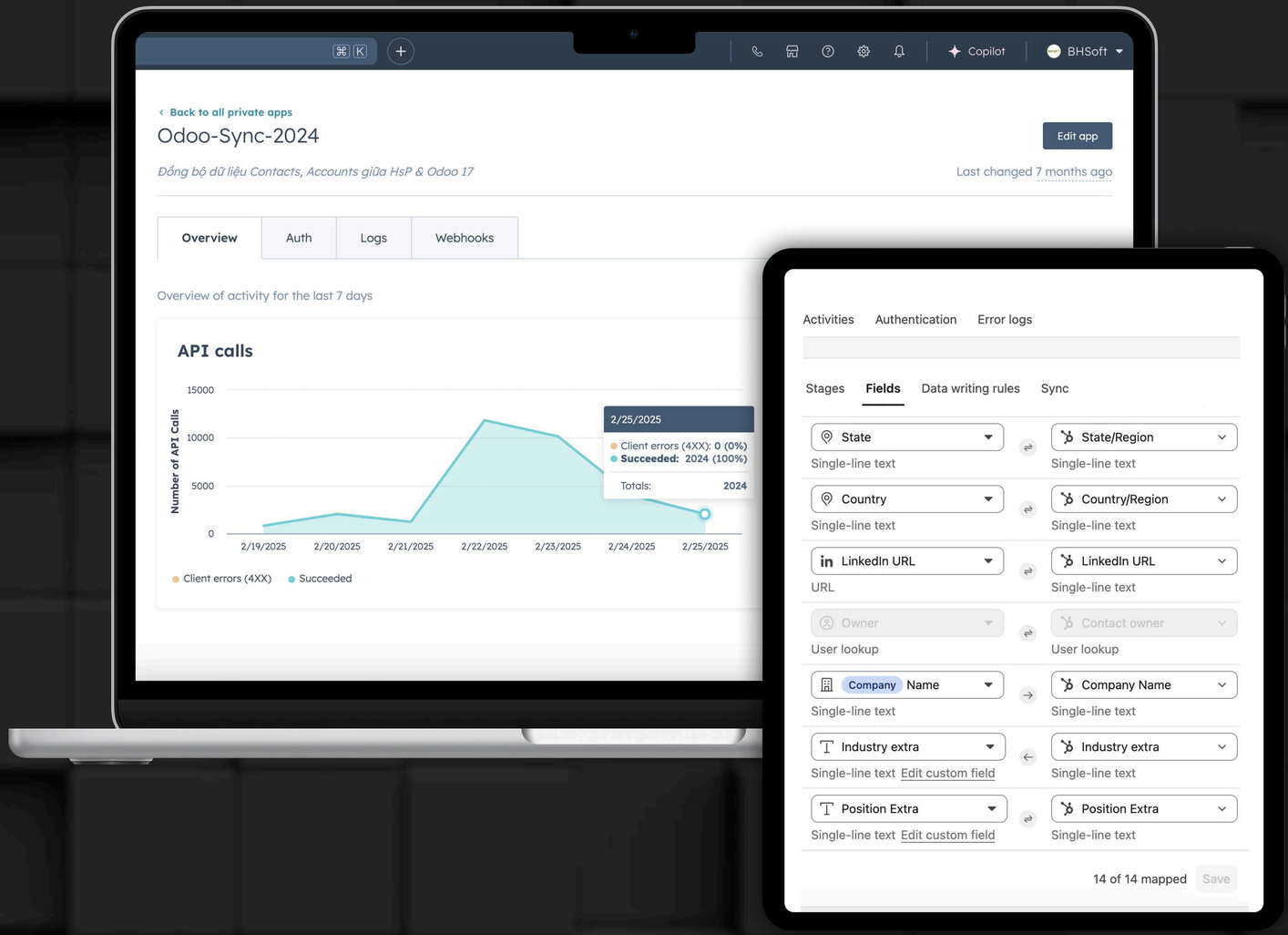
Data Synchronization & Marketing Automation

BHSoft developed this solution for seamless data sync between Apollo, HubSpot, and Odoo. It enables two-way synchronization and automates workflows. Prospects from Apollo sync to HubSpot, which bridges data to Odoo. Email marketing, sales follow-ups, and data management are fully automated.

PROJECT SIZE
7 MMs

TASK MANAGEMENT TOOL
Redmine

TECHNOLOGIES USED



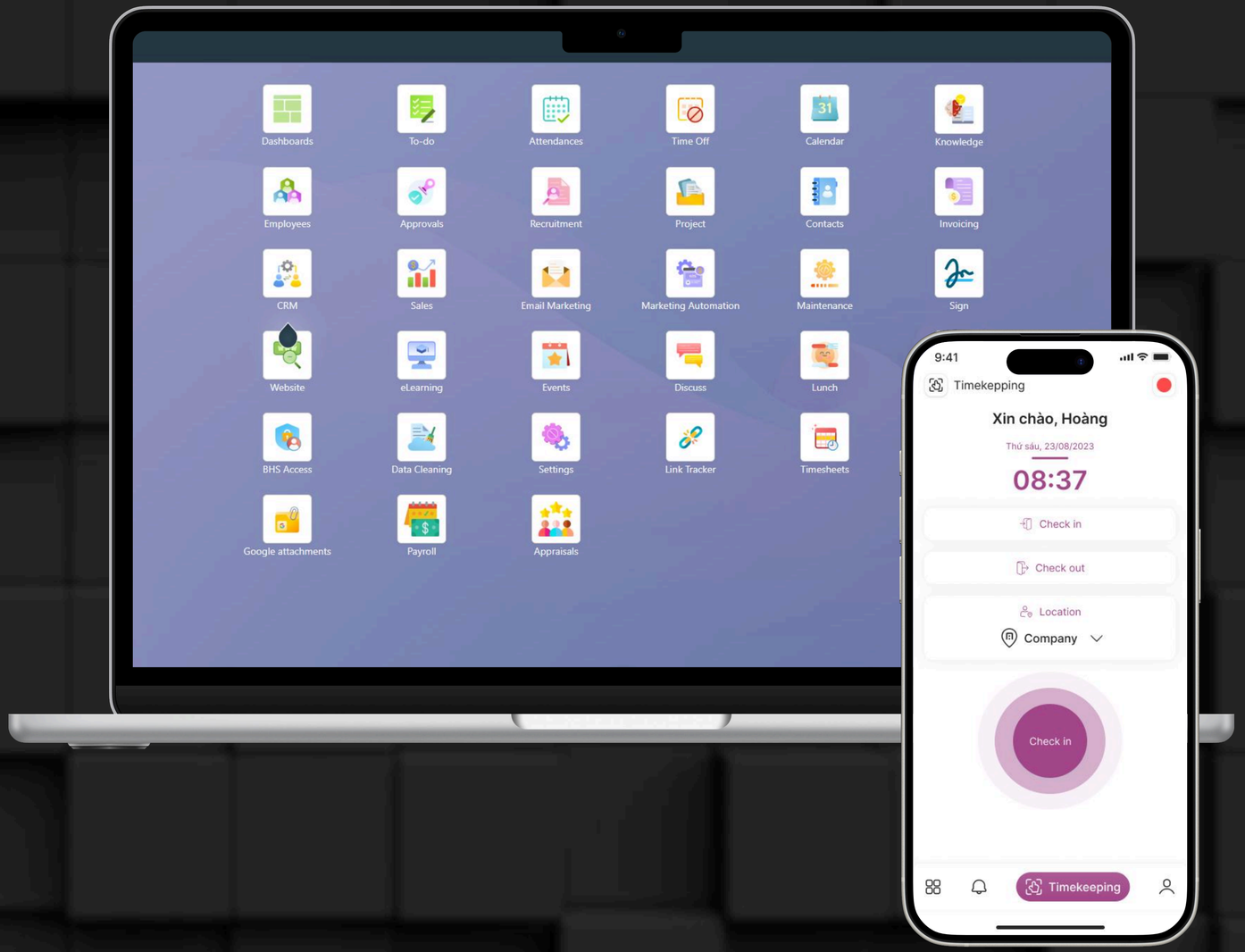
Streamlining Operations with Odoo Custom Modules

BHSoft needed a highly customized ERP to streamline operations across departments. While Odoo provided a foundation, our unique workflows and automation needs required extensive customization. We built a tailored, scalable system that supports growth, with ongoing refinements by our Odoo team.

PROJECT SIZE
30 MMs

TASK MANAGEMENT TOOL
Redmine

TECHNOLOGIES USED



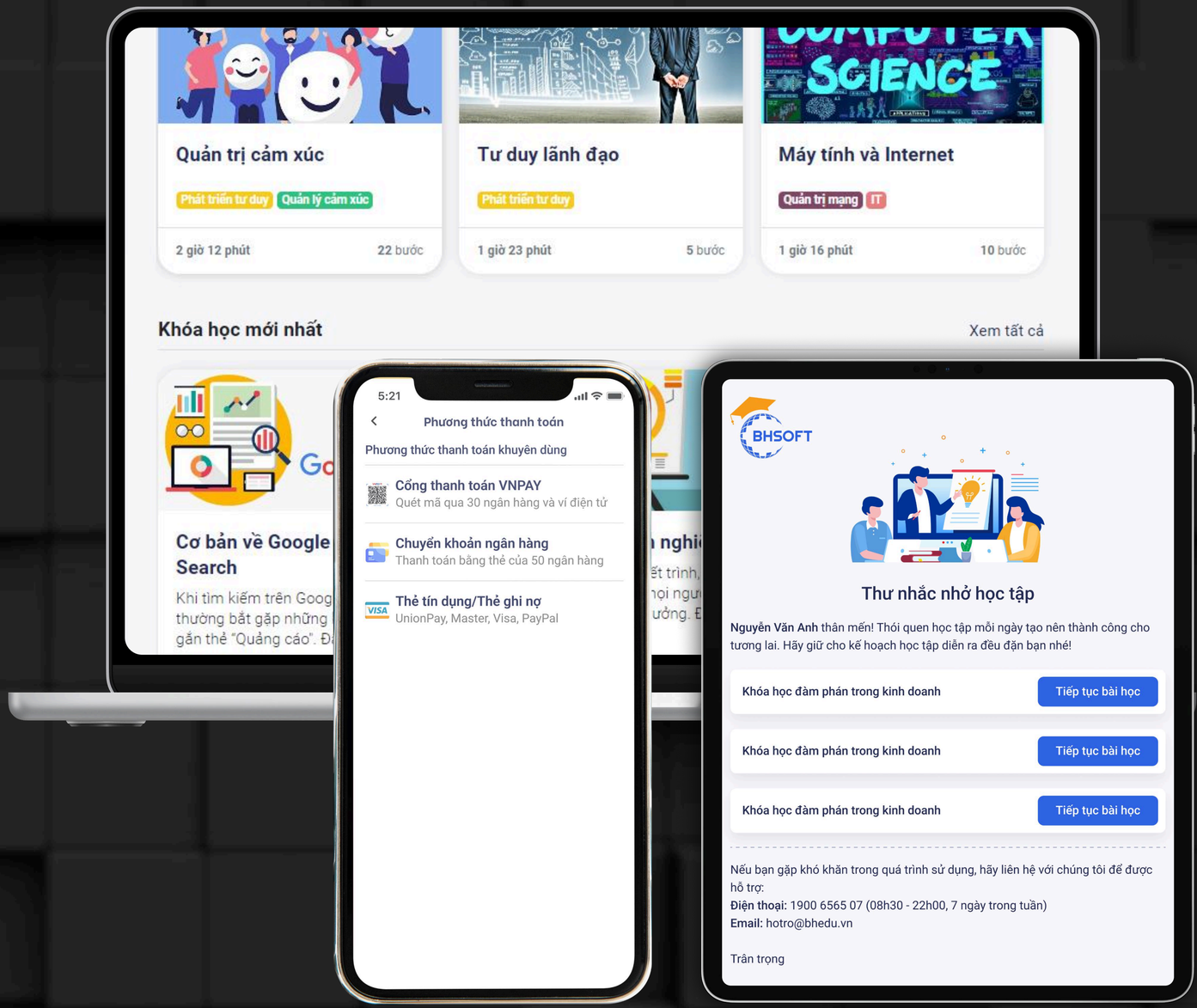
Odoo-Powered Learning Platform

BHSoft developed an Odoo-based online learning management platform for businesses in training and education, allowing them to manage courses, revenue, and student progress. The outcome was a a customizable, feature-rich system that streamlined sales, engagement, and reporting.

PROJECT SIZE
18 MMs

TASK MANAGEMENT TOOL
Redmine

TECHNOLOGIES USED



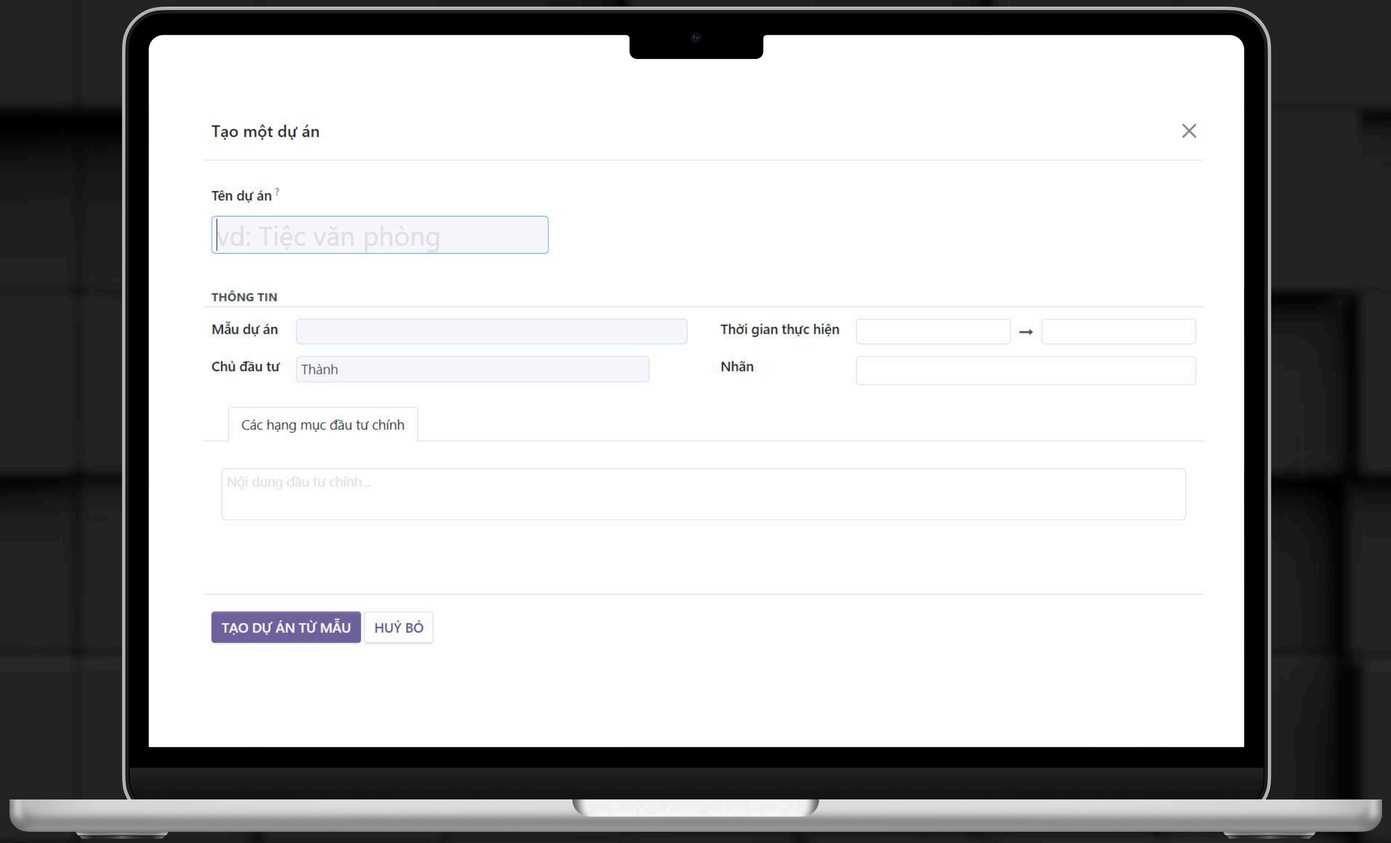
Public IT Project Management System

BHSoft developed a Project Management System for a Vietnamese government agency to manage IT investment projects on Odoo. It supports various user roles, offering project/task management, document handling, and customizable templates, with role-based access control and 2FA for security.

PROJECT SIZE
5 MMs

TASK MANAGEMENT TOOL
Redmine

TECHNOLOGIES USED





Let’s Transform Your Business Together!

Contact us today to learn how we can help you drive innovation, efficiency, and unlock the future of your business.

SCAN TO

PARTNER WITH US

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