

SAAS + DESKTOP ENGINEERING

Centralized messaging. Connected desktops.

Web Portal & Desktop Pop-Up Management System

Tech Monkeys developed a multi-tenant SaaS platform for Brand Enforcer, connecting centralized administration with an Electron desktop agent for real-time and scheduled communication.

CLIENT

Brand Enforcer, LLC

PLATFORM

Multi-tenant SaaS

DELIVERY

Web + desktop

THE BUSINESS CHALLENGE

Brand Enforcer needed a unified way for organizations to manage desktops, deliver branded pop-up messages, track activity, and support monthly billing based on billable agents.

Organization Subscription

Current Agents: 1 / 5
Subscription Status: active

Manage Subscription

Agent Count

Update Agent Count

Minimum of 5 agents required. Changes will be prorated to your next bill.

Live product view: subscription status, licensed agent quantity, and self-service plan controls. Account figures are not performance benchmarks.

01 / CENTRALIZED CONTROL

The right message. The right team and time.

The portal combines branded message templates with team targeting, recurring schedules, and global or team defaults.

01 Branded templates and urgent alerts

Configure header, body, footer text, and logos; preview pop-ups; and send global alerts with a distinct cybersecurity/urgent mode.

02 Targeting and scheduling

Target all agents or specific teams. Configure daily, weekly, bi-weekly, or monthly recurrence, with local-time scheduling and optional start/end dates.

03 Deployment and message history

Manage global defaults, team defaults, recurring and one-time pop-ups. Review sent-message records with their targets and scheduled timestamps.

Pop-Up Deployment Setting

Pop-Up Name *

Pop-Up Type *

Recurring

Repeats on the schedule you choose.

Target *

All Agents

Choose whether to send this pop-up to all agents or specific teams

Recurring Schedule

Recurrence Type *
Weekly

Day of Week *
Monday

Time *
09:00 AM

Your timezone: Asia/Karachi

Active Window (Optional)

Start date
10/01/2026

End date
mm/dd/yyyy

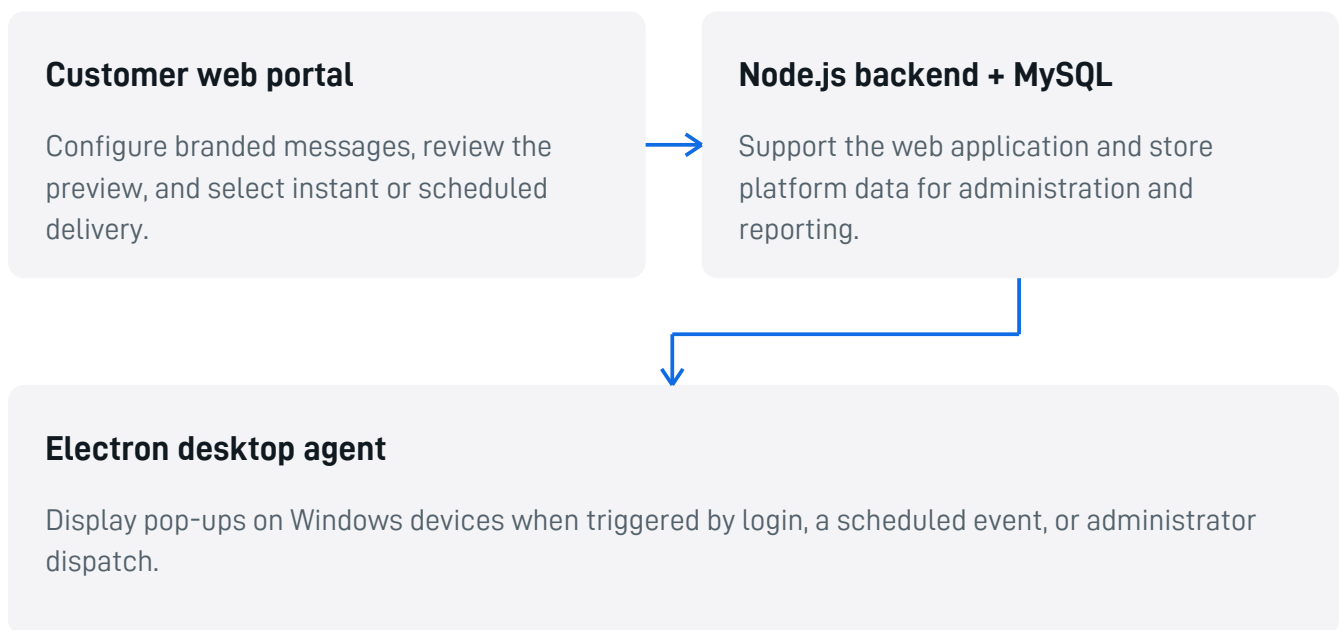
Live product view: recurrence, targeting, and active dates. Unsaved configuration shown.

02 / DESKTOP DELIVERY

From the web portal to the Windows desktop.

An Electron agent receives and displays pop-up messages on managed devices, with delivery triggered by login, scheduled events, or administrator dispatch.

MESSAGE DELIVERY WORKFLOW



Functional overview of the delivered components and messaging workflow.

DEPLOYMENT

Organization and team-specific installers, with direct download and PowerShell/CMD options for silent deployment.

REPEAT-MESSAGE CONTROL

Configure per-agent suppression intervals so default messages do not reappear too frequently. Agent-level settings can override team settings.

03 / ENGINEERING + OUTCOMES

Built for ongoing operations.

A cloud-backed SaaS architecture combines responsive web interfaces, agent-based desktop delivery, and administrative controls.

TECHNOLOGY FOUNDATION

Web application	Next.js
Backend + database	Node.js, MySQL
Cloud hosting	DigitalOcean
Desktop + deployment	Electron, PowerShell/CMD installer options
Access controls	User roles and two-factor authentication support

DELIVERED OUTCOMES

A unified SaaS product. Connected customer workspaces, platform administration, and desktop agents within one multi-tenant system.

Controlled agent onboarding. Team assignment, agent restore controls, and an approval queue for devices that exceed the subscription allowance.

Subscription and activity visibility. Agent status, license counts, sent-message history, and self-service subscription controls help organizations manage ongoing operations.

Need a SaaS platform connected to desktop software?

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