



SCOVENIX
CODE. INNOVATE. AUTOMATE. EVOLVE.

COMPANY PROFILE / 2026

Practical technology. Built with purpose.

Software, web platforms, automation, and connected prototypes for ideas that need to work in the real world.

THE BRAND

Engineering with purpose.

SCOVENIX is an emerging technology brand based in Sri Lanka.

SCOVENIX focuses on turning practical ideas into useful digital systems. Its direction brings together software development, business automation, and connected hardware to help organisations improve how they work.

The foundation is a hands-on engineering approach: understand the problem, define the system, build with care, and verify the result. Services and project scope are agreed individually to match the requirements and the capabilities available for each engagement.

01 / PURPOSE

Our mission

To build practical digital solutions that simplify work, connect systems, and create measurable value for businesses and communities.

02 / DIRECTION

Our vision

To grow into a trusted engineering partner connecting software, intelligent automation, and the physical world.

03 / FOUNDATION

Founder-led. Hands-on.

SCOVENIX builds on practical software development and embedded prototyping experience. Existing projects are presented as founder experience, with academic and prototype work clearly identified.

DIGITAL SYSTEMS

Software that serves the work.

From a business website to a database-backed application, begin with the outcome and build around it.

01 / SYSTEMS THAT FIT THE WAY YOU WORK.

Software engineering

Business applications, administrative tools, and database-backed systems designed around real operations.

Custom applications • APIs • Data workflows

02 / YOUR BUSINESS, CONNECTED TO ITS CUSTOMERS.

Web & e-commerce

Responsive websites, web platforms, catalogues, and ordering workflows, with payment integration scoped to the selected provider.

Business websites • Online stores • Portals

03 / LESS REPETITIVE WORK. MORE USEFUL OUTPUT.

AI & automation

Workflow automation, API connections, and AI-assisted interfaces, with feasibility, data handling, and human oversight considered from the start.

Workflow automation • AI integration • API connections

Example use cases: business administration, online catalogues and order workflows, internal dashboards, API-connected services, and repetitive-process automation. Examples describe potential applications, not past SCOVENIX deliveries.

CONNECTED TECHNOLOGY

From code to the physical world.

Explore sensing, control, and connected prototypes with a clearly defined technical goal.

04 / CAPABILITY

IoT & embedded systems

Arduino and ESP32 prototypes for sensing, monitoring, alerts, and device control. Move from a practical experiment to a clearly scoped system.

Sensors • Monitoring • Connected control

05 / CAPABILITY

Robotics prototyping

Hardware and software integration for sensing, control, and practical demonstrations. Exploratory projects are agreed around technical feasibility.

Control • Hardware integration • Proof of concept

06 / CAPABILITY

Deployment & support

Deployment preparation, configuration, documentation, and maintenance support agreed for the delivered system.

Deployment preparation • Documentation • Maintenance

Feasibility comes first. Hardware and robotics engagements are scoped around practical constraints. Secure development and deployment are engineering considerations; enterprise cloud operations or specialist cybersecurity services are not claimed here.

ENGINEERING APPROACH

The right tool. For the right reason.

Technology choices follow requirements, maintainability, budget, and deployment conditions.

Java

Business applications and backend systems.

PHP

Server-side websites and web applications.

Node.js

APIs and connected services.

JavaScript & Vue

Interactive browser experiences.

MySQL

Structured application data and relational workflows.

Arduino & ESP32

Embedded sensing, monitoring, and control prototypes.

Principles carried into the build

Purpose before complexity. Clear communication. Maintainable systems. Responsible data handling. Learning through delivery. Scope and expectations agreed before implementation.

Not every project uses every technology. The appropriate stack is selected for each engagement. AI integrations are assessed for feasibility, data exposure, and the human oversight the use case requires.

FOUNDER EXPERIENCE

A practical foundation. Built through projects.

Representative academic work and learning prototypes that inform the brand's engineering foundation.

01 / ACADEMIC PROJECT

ClassO Cart

A Java-based academic e-commerce project exploring multi-seller ordering, REST APIs, database-backed workflows, and sandbox payment integration.

Java · REST · Hibernate · MySQL

02 / ACADEMIC PROJECT

Campus examination management

A Java desktop and MySQL project covering academic administration, examination scheduling, and assessment workflows.

Java Swing · MySQL

03 / LEARNING PROTOTYPE

Connected access control

An ESP32 prototype exploring local web-based device control and state indication.

ESP32 · C++ · Local web interface

These projects represent founder experience. They are not presented as SCOVENIX client engagements, commercial deployments, customer endorsements, or certified products. Payment work referenced above used a sandbox environment.

WORKING TOGETHER

Clarity, from discovery to handover.

A considered process keeps the outcome, responsibilities, and acceptance criteria visible.

01 Discover / Understand the problem

Clarify your users, current workflow, constraints, and the outcome the system should produce.

02 Define / Agree the scope

Set deliverables, responsibilities, assumptions, acceptance criteria, and an engagement-specific proposal.

03 Design / Map the system

Plan data, interfaces, user journeys, and any hardware integration before implementation.

04 Build / Turn the design into working software

Implement in focused stages and keep decisions visible as the system takes shape.

05 Verify / Check the agreed behavior

Validate functional requirements, integration behavior, and practical use within the agreed scope.

06 Handover / Make the next step clear

Provide deployment preparation, documentation, and an agreed support or maintenance arrangement.

Pricing, delivery dates, deployment responsibilities, and support arrangements are agreed per engagement. Prepare the users, problem, desired outcome, and constraints for the first discussion.

THE NEXT MOVE

Have a problem worth solving?

Start with the outcome. Work back to the system.

Our contact channels are active. Get in touch for project inquiries and collaboration.

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ACTIVE

Meet the founder

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