

CROWSMIND TECHNOLOGIES

Software. Security. The future.

Corporate services and project catalogue

We build software tailored to your business, intelligent platforms and digital experiences with security at their core.



Software engineer Ercem Aslan

TR / EN / RU

Project images are illustrative presentation visuals.

02 / SERVICES

Engineering around your idea.

01 Custom software & portals

We design enterprise portals, management systems and custom programs around the way your business actually works. Requirements, user roles, data structures and the purpose of each interface are considered within one plan.

02 Mobile & Android apps

We develop business applications, customer-facing products and specialist tools for phones and Android-based devices. Mobile design considers how often an application is used, the conditions of the device and the outcome the user wants to achieve.

03 SQL database architecture

We treat data as the connected foundation of a business's digital systems. SQL database design organizes tables, relationships, integrity rules and query needs around the application's use cases.

04 Cybersecurity

We address organizational and application security needs through technical assessment and analysis within an authorized scope. The boundaries of the work, relevant assets and the reporting approach are established at the beginning of the project.

05 Python & C++ development

Our Python and C++ development, including work in the Dev-C++ environment, covers automation, data processing, custom algorithms and specialist technical tools.

06 Code analysis & creative ideas

We review existing scripts and programs to understand defects, logic flows and opportunities for improvement. Technical reporting aims to explain the effect of a problem on software behavior and outline a possible correction approach.

Project scope, modules and delivery schedule are defined through requirements discovery.

TQSV SAFEPERMIT ERP

From work permits to organizational knowledge.

TQSV SafePermit ERP is a management platform that connects occupational health and safety operations around the work permit. It considers the definition of site work, approvals, personnel and company information, and risk visibility within a shared digital structure.

The aim extends beyond putting a paper form on a screen. Work conditions, responsible people, related inspection records and the information managers need are linked to make operations easier to follow. Site teams and decision-makers can consider different aspects of the same process within their respective responsibilities.

The lifecycle of a work permit

01 / Preparation

Define the work scope, company, team and operating conditions.

02 / Checks and approvals

Bring together inspection records and technical, HSE and management reviews.

03 / Site monitoring

Follow work status, relevant risks and issues requiring attention.

04 / Closure and archive

Completion information, related records and reports become part of organizational knowledge.

Module scope, approval roles and site adaptations are planned around organizational needs. This page describes the product approach; it is not a live operations dashboard.

TQSV SAFEPERMIT ERP

SafePermit working areas

01 / Work permits and approvals

Work type, location, timing, responsible people and operating conditions form the basis of a permit record. Technical, HSE and project management reviews are connected around that record.

02 / Dynamic forms and inspection records

Task-specific inspection headings and prepared form structures support a systematic view of site conditions. Consistent answers such as Yes, No and Not Applicable help make findings clear.

03 / Company and contractor management

The company performing the work and its related records are considered together. Company panels and company-level access separation help organize information belonging to different businesses.

04 / Personnel and document suitability

Personnel selection, document uploads and approval steps support assessment of the team assigned to a task. Tracking missing documents or items awaiting review is part of preparation.

05 / Risk radar and site risk map

Risk information is connected with site and management views. Risk radar, site risk maps and critical monitoring areas help bring relevant issues into a shared view.

06 / Company Safety Score and management views

Company Safety Score and the Executive Dashboard provide areas for interpreting operational information at management level. Their purpose is to help connect records and support assessment.

07 / Actions, overdue items and notices

Turning a finding into an assigned and traceable action supports continuity in management.

08 / PDF reports and access to records

PDF outputs turn operational information into documents that can be shared and archived. Reporting aims to retain the connection between the record, the work and its responsibilities.

09 / Site-specific work scenarios

Hot work, work at height and confined spaces create different inspection requirements.

SELECTED PROJECTS

Autonomous drone systems

RUSSIA



Software development for autonomous takeoff and landing without an internet connection, for drones used in film and cinema production in Russia.

Menu & kitchen software

KRASNODAR, RUSSIA



Custom software for restaurant operations in Krasnodar, connecting menu management with kitchen workflows around the needs of the business.

Project images are illustrative presentation visuals.

SELECTED PROJECTS

Health tourism portal

TÜRKİYE



Portal development for health tourism activities in Türkiye, supporting service presentation and digital communication processes.

Next-generation social media

DEVELOPMENT & R&D



A social media platform exploring new ways for people, content and digital communities to connect. Research and development are ongoing.

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BLACKNEST / CROWSMIND LABS

BlackNEST and our research vision



A cybersecurity program being developed around digital asset protection, threat visibility and the management of security processes within a unified environment.

Next-generation social platform / Development and R&D

Bringing content, communities and user experience into a shared product architecture.

BlackNEST / Cybersecurity research

Making security events understandable and designing defensive workflows.

Autonomous systems / Applied software work

Offline takeoff and landing code for cinema drones in Russia.

These topics describe our development direction, without promising release dates or completion percentages.

OUR WORKING APPROACH

What can we build together?

01 / Idea

We clarify the need, identify the target user and define the problem. The expected outcome becomes a concrete starting point for an understandable project scope.

02 / Architecture

We plan the data structure, user roles and core components. Technical decisions are considered alongside operating conditions and future development needs.

03 / Development

We turn the agreed structure into working components. Readable code, consistent interfaces and clear relationships between components guide development.

04 / Testing

We check usage scenarios, workflows and error conditions. Findings inform the corrections needed to bring the product closer to its intended behavior.

05 / Delivery

We prepare usage and installation information and clarify the delivery scope. Further requirements and the maintenance approach are considered together.

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