



ENGINEERING MISSION-CRITICAL SYSTEMS

Erlang/OTP / Distributed Systems / Telecom

DevOps / Backend Infrastructure / Engineering Teams

CORPORATE ENGINEERING CAPABILITIES | 2026

scalicon.com

Engineering with ownership

Scalicon is a US-based engineering company specializing in mission-critical backend infrastructure, fault-tolerant distributed systems and Erlang/OTP.

An engineering partner, not a recruitment agency

We embed experienced engineers into established teams to build, modernize, diagnose and maintain systems that must keep operating. Our focus is technical ownership, transparent collaboration and sustainable delivery.

SYSTEMS-LEVEL THINKING

Architecture, operational behavior and business needs considered together.

SENIOR EXPERTISE

Production experience in complex backend and distributed systems.

EMBEDDED COLLABORATION

Working with client engineering teams, tools and delivery processes.

LONG-TERM RESPONSIBILITY

Maintainability, observability and reliability beyond initial delivery.

Core engineering capabilities

01 Erlang/OTP engineering & modernization

Fault-tolerant services, supervision, concurrency, legacy upgrades, production troubleshooting and performance analysis.

02 Distributed systems & architecture

Cluster behavior, failure recovery, messaging, integration boundaries, resilience assessments and scaling strategies.

03 DevOps & operational reliability

Containers, Kubernetes, CI/CD, infrastructure as code, observability and repeatable production delivery.

04 Dedicated engineering teams

Senior Erlang/OTP and DevOps engineers embedded into your workflows, with direct collaboration and clear engineering ownership.

Typical outcomes: safer modernization, clearer failure modes, more testable systems and stronger day-to-day operability.

Built for demanding domains

TELECOMMUNICATIONS

Diameter, RADIUS, SIP, AAA and real-time network integration.

BANKING & FINANCIAL SERVICES

Distributed middleware, workflow orchestration and reliable integrations.

MESSAGING & REAL-TIME

XMPP, MQTT, event-driven services and high-concurrency backends.

INDUSTRIAL ROBOTICS

Warehouse orchestration, simulation and robotics-facing integrations.

IOT & CONNECTED PLATFORMS

Device messaging, event ingestion and resilient backend connectivity.

HEALTHCARE

Dependable backend services and operationally demanding integrations.

Domain experience varies by engagement; scope is defined with each client.

Selected engineering experience

Mission-critical distributed systems across four demanding domains.

01 / INDUSTRIAL ROBOTICS & WAREHOUSE AUTOMATION

Enhanced Erlang/OTP backend services for warehouse orchestration, including VDA 5050-related integrations, Pick/Put workflows, simulation and automated testing.

Erlang/OTP / VDA 5050 / MQTT / Common Test

02 / BANKING & FINANCIAL INFRASTRUCTURE

Engineered distributed middleware for business-critical process orchestration, including RabbitMQ messaging, horizontal and vertical scaling, fault tolerance and production reliability.

Erlang/OTP / RabbitMQ / Distributed Systems

03 / HEALTHCARE & HOSPITAL COMMUNICATIONS

Contributed to hospital communications and management infrastructure through backend integration, modernization, runtime upgrades and reliability-focused engineering.

Erlang/OTP / Healthcare Integration / Modernization

04 / TELECOMMUNICATIONS & NETWORK INFRASTRUCTURE

Implemented Diameter proxy components for telecom networks, supporting AAA workflows, RADIUS integration, protocol message routing and distributed services.

Erlang/OTP / Diameter / RADIUS / AAA

CONFIDENTIALITY BY DESIGN

Client identities, product names and sensitive implementation details are excluded. No unverified performance metrics are presented.

Engineering partnership, lower friction

Our model emphasizes transparent collaboration, accountable delivery and flexible engineering capacity. Commercial commitments are defined in the signed agreement.

POST-PAY

Monthly invoicing under agreed contractual payment terms.

SENIOR TEAM EXTENSION

Experienced engineers working within your established delivery team.

ONBOARDING INVESTMENT

Up to two weeks of onboarding at Scalicon expense where agreed.

REPLACEMENT COMMITMENT

Engineer replacement within five business days where contractually agreed.

ACCOUNTABILITY BEYOND STAFFING

Architecture input, code reviews, production diagnostics and ongoing technical collaboration. We align delivery with your engineering standards and operational responsibilities.

Specific service levels and commitments are subject to the signed agreement.

Technology, methods, mindset

Runtime & data

Erlang/OTP / SQL & NoSQL Databases / Distributed Data Management

Messaging & event streaming

RabbitMQ / EMQX / Apache Kafka

Protocols & integration

Diameter / RADIUS / SIP / XMPP / MQTT / TCP/IP

Infrastructure & delivery

Kubernetes / Docker / CI/CD / Infrastructure as Code / Observability / Automated Testing

Built by engineers. Driven by engineering.

Scalicon is founded and led by engineers with experience in Erlang/OTP and distributed systems. We prioritize practical fault isolation, sound technical decisions and maintainable production code.

OUR ENGINEERING PRINCIPLE

Reliability is engineered through fault tolerance, automated testing, operational visibility and long-term technical ownership.



LET US BUILD SOMETHING RELIABLE.

Discuss your engineering challenge, architecture roadmap or production reliability needs with Scalicon.

DISCUSS YOUR ENGINEERING CHALLENGE

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