



CS2 TECHNOLOGIES INC.

CAPABILITY STATEMENT

Senior software engineering, secure cloud architecture, and technical assessment for public-sector and enterprise programs. Eighteen years of enterprise delivery, including seven years owning Tier-1 telecommunications backend architecture in the European Union.

CORE COMPETENCIES

- Custom application design and development — Java/Spring, TypeScript/Next.js, Node.js
- Legacy modernization and platform migration — Java EE to Spring Boot, on-premises to cloud
- REST API architecture, systems integration, and interoperability
- AWS cloud architecture — serverless (Lambda) and containerized (ECS Fargate, Kubernetes)
- Infrastructure as Code and CI/CD automation — Terraform, GitHub Actions, Jenkins
- Application security assessment and remediation — OWASP, OAuth 2.0/2.1, JWT, penetration-test tooling
- Technical assessment, architecture review, and technical due diligence with written executive findings
- Privacy-compliant system design — GDPR-regulated production experience; PIPEDA-aligned
- AI/LLM systems integration with provider abstraction and access governance

DIFFERENTIATORS

- **Tier-1 telecommunications engineering pedigree.** Seven years owning REST backend architecture at Vodafone GmbH, including GDPR-regulated systems processing personal data of field technicians and subcontractors across the EU.
- **We build and operate our own production platforms.** Capacity is demonstrated on multi-tenant systems the firm runs itself — 49 data models, 130+ REST endpoints, zero-downtime deployment — not on reference architectures or resold products.
- **Security-qualified leadership.** Post-graduate certificate in Computer Application Security; OWASP-guided design, with findings verified using Burp Suite and OWASP ZAP.
- **Trilingual delivery — English, French, and German.** Fifteen years resident in Germany. Relevant to bilingual service requirements and to EU-facing or German-parent client environments.
- **Senior-led delivery that scales to the contract.** Every engagement is architected and led by a senior principal who stays on it through delivery. Capacity is scaled with vetted senior contractors to match the scope of the award, so the requirement sets the team size.

PAST PERFORMANCE

Field Operations Backend Platform — Vodafone GmbH, Germany (2015–2022)

Architecture, development, and 3rd-level support ownership for the REST backends behind an Android ticket-processing application used by field technicians and for external subcontractor web portals. Delivered the Java EE 7 to Spring Boot migration, replaced OAuth 1.0 with JWT authentication, migrated the platform to AWS on Docker/Kubernetes, and established the Jenkins CI/CD pipeline. Coordinated offshore development teams in Romania and India.

Multi-Tenant AI CRM Platform (AgentlyLeads) — CS2 Technologies (2023–present)

Design, build, and production operation of a multi-tenant SaaS platform: 49 PostgreSQL data models, 130+ REST endpoints, AWS ECS Fargate, zero-downtime CI/CD with OIDC federation, OAuth 2.1 with PKCE, multi-tenant isolation with IDOR guards, and production email infrastructure on AWS SES with SPF/DKIM/DMARC.

Clinical Documentation Platform (Notermed) — CS2 Technologies

AI-assisted medical transcription generating clinical notes from patient conversations, built to a healthcare-grade security posture.

Gated B2B Wholesale Marketplace (GWS Connect) — CS2 Technologies

Access-controlled wholesale marketplace with segregated buyer and supplier portals and role-based access.

COMPANY SNAPSHOT

Legal name	CS2 Technologies Inc.
Incorporated	August 2022 · Ontario, Canada
Business No. (CRA)	[CONFIRM]
Procurement Bus. No.	[CONFIRM — register on CanadaBuys]
Supplier size	Small supplier
Head office	2424 Finch Ave W, Unit 14, Toronto, ON M9M 2E2
Second location	752 Apple Terrace, Milton, ON L9E 2C3
Service area	Canada-wide · remote, hybrid, or on-site
Website	cs2technologies.ca

PROCUREMENT CLASSIFICATION

NAICS	541511 Custom Computer Programming · 541512 Computer Systems Design · 541519 Other Computer Related Services · 541611 Management Consulting
GSIN	[CONFIRM on CanadaBuys — candidates: D302 Systems Development, D306 Systems Analysis, D308 Programming, D399 Other IT Services]
UNSPSC	81111500 · 81111800 · 81112200
TBIPS categories	[CONFIRM against current Annex A] Senior Systems Architect · Senior Application Developer · Senior Technical Architect

DELIVERY & CAPACITY

Delivery model	Senior-led — every engagement is architected and led by a principal architect
Capacity	Scaled with vetted senior contractors to match the scope of the award
Principal education	M.Sc. Software Systems Engineering, RWTH Aachen (2008) · PGC Computer Application Security, Conestoga College (2023)
Principal experience	18 years (2008–present), Germany and Canada
Languages	English, French, German — fluent
Screening	[CONFIRM — eligible for sponsorship]
Resource CVs	Named CVs with competency matrices provided with any bid response

COMPLIANCE & INSURANCE

Commercial General Liability	[CONFIRM — carrier and limit]
Errors & Omissions	[CONFIRM — carrier and limit]
WSIB clearance	[CONFIRM]
Contract Security Program	[CONFIRM — DOS/FSC requires sponsorship]