

Innovative Solutions for Evolving Business Needs

About Solana Networks

Solana Networks is an innovative technology company delivering intelligent software products and solutions for IP networks.

Our team of innovators, analysts, architects, software developers and researchers has many years experience with operational IT networks, and complex system software development.

Sample public sector clients include: Public Safety Canada, Defence Research and Development Canada (DRDC), Department of Foreign Affairs, Trade and Development (DFATD), Department of Homeland Security (DHS), and sample private sector clients include Telus, Juniper Networks, ExtraHop, Flextronics and Hitachi.

Many of our employees hold SECRET level security clearance. We are an approved supplier of services to the Canadian Federal Government through a number of contracting vehicles - ask us!

OUR SERVICES



Software & Applications

Development of network and security software with intelligent machine learning-based data analytics capabilities.



Research & Studies

We offer research services and studies including simulations, technology evaluation, prototyping and gap analysis.



IT Security

Specialists in IT network security including security assessments, threat and risk assessment, vulnerability assessment.



Network Infrastructure

Experts in IT network infrastructure including architecture, assessment, performance & monitoring.

Software & Applications

Solana Networks offers its clients a rich selection of software development services. Our full system software development lifecycle starts from the requirements gathering phase and systematically moves through the specification, design, code, quality assurance and customer handoff phases. The final customer deliverable undergoes rigorous verification and testing.

Sample services:

- » Secure Web-Enabled Applications
- » Security Management Tools
- » Network Management Systems
- » Emergency Management Tools
- » Network Protocols & Platforms
- » Test & Verification
- » System Design & Architecture

Research & Studies

The Solana team has undertaken research and studies for a number of clients. The results have been published in acclaimed conferences and journals. Core research expertise covers cyber security, wireless networks (cellular, 802.11, MANET), SCADA, QoS, Cloud Computing and IP network protocols.

Sample services:

- » Study & analysis of emerging technologies
- » Machine learning model development using SK learn, Weka, PyTorch, Keras, TensorFlow
- » Simulation studies of networks, systems and protocols –using Qualnet, MATLAB, NS-3
- » Prototype & Evaluation of research algorithms

IT Security

Solana Networks has deep domain expertise in the area of IT security. We understand what it takes to secure networks and applications. Our security services and technology are trusted by some of the largest organizations in the world.

Sample services:

- » Security Threat & Risk Assessment (TRA)
- » Vulnerability Assessment & Testing
- » SCADA Security Assessment
- » Intrusion Detection
- » Network Security Monitoring
- » IT Risk Management

IT Network Infrastructure

We have an experienced team with thorough understanding of IT network architectures, protocols, systems and operations. Our work spans a range of areas including core network infrastructure, data centres, end systems and applications. We cover a range of technologies such as WiFi, OSPF, BGP, MPLS, DNS, VLAN, VoIP, 3G/4G Wireless and Data Centres.

Sample services:

- » Network Assessment and Audit
- » Network Performance Assessment
- » IT Roadmap and Strategy Review
- » Network Architecture and Design
- » Network Analysis & Engineering
- » Network Testbed Creation & Operation
- » Network Troubleshooting

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