



SOTERIA CO LLC



ALI MATIN

Software and Cybersecurity System Engineer

37 Years of Experience

Education

Ali holds a Master's degree and a Bachelor's degree, both in Electronics Engineering from Northrop University in Inglewood, California.

Summary of Abilities

Ali has 37 years of experience in software and electronics engineering, including 11 years as a consultant for Soteria in rail transportation. He has extensive experience in software engineering for transit systems and in cybersecurity and infrastructure security across several industries.

Areas of Expertise

- System and Software Verification and Validation

- Infrastructure Security
- System Safety and Security Certification for LRTs
- Threat and Vulnerability Assessments for transit projects
- Rail, bus and aviation system safety and security planning
- System Integration
- Network Design
- Software Development

Registrations & Certifications

- CCNA/CCNP Certification Class, CCBootcamp, Henderson, NV, 2009
- Security Journey – Cyber Security Training, LinkedIn Learning – Project Management Fundamentals

Selected Current & Recent Projects

- Currently performing a cyber security assessment of the Edmonton Passenger Rail Line in Alberta, Canada
- Metro Crenshaw/LAX Transit Corridor Project – Worked with Soteria to develop Software and Network Security Plan and Software Verification and Validation Plan
- Successfully architected, designed and implemented

several L2/L3 Stackable Ethernet Switches at speeds of 1G/10G running on VxWorks RTOS and Broadcom XGSII/III switching chipsets

- LAX Automated People Mover Project – Currently working with Soteria to develop Systems and Software Security Plan and Systems and Software Verification and Validation Plan
- Implemented Infrastructure as Code (IaC) for use in the DevOps and automation of system and security software image creation using Terraform, Packer, and Ansible
- Successfully architected and implemented two Positive Train Control (PTC) projects for Southern California Railroad Authority (Metrolink) and Kansas City Southern Rails (KCS) from concept to production

Employment

- Parsons Corporation
- Booz Allen Hamilton
- RTX Technologies
- Systra Consulting USA

