



# Matthew B. Kohn

## System Design Architect Engineer

### Contact

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### Address

Colorado Springs, Colorado

### Profile

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| <b>Background:</b>         | A highly organized, detail oriented, and self-motivated Systems Engineering and architecture professional with over 20 years of experience across satellite communications, enterprise modernization, DoD programs, technical leadership, business administration and management. Effective problem solver and proven leader with proven experience developing requirements, supporting trade studies, coordinating stakeholders, and delivering mission-focused technical solutions. |
| <b>Security Clearance:</b> | <b>Top Secret/SCI</b> (Active; last investigation completed on 6/1/2024)                                                                                                                                                                                                                                                                                                                                                                                                              |

### Key Skills

Proficient or familiar with a vast array of telecommunications equipment, concepts, and technologies, including:

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| <ul style="list-style-type: none"><li>• Systems Engineering</li><li>• AI-assisted analysis, automation &amp; engineering workflows</li><li>• VMware, OpenShift, Nutanix &amp; bare-metal trade studies</li></ul> | <ul style="list-style-type: none"><li>• UHF &amp; SHF Satellite Communications Systems Operations</li><li>• Wideband Global SATCOM (WGS) concepts</li><li>• Global Broadcast Service (GBS) concepts &amp; equipment</li></ul> | <ul style="list-style-type: none"><li>• Air Force Satellite Control Network (AFSCN)</li><li>• AN/TSC-156 "Phoenix" quad-band satellite system</li><li>• Datapath ET3000 Satellite Transportable Terminal (STT)</li></ul> | <ul style="list-style-type: none"><li>• Cryptography Equipment</li><li>• Telecommunications Security &amp; Network Intrusion Prevention</li><li>• Microsoft Office / Visio / Project</li><li>• Scrum/Agile &amp; Jira</li><li>• Global Positioning System (GPS)</li></ul> |
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### Professional Experience

#### System Design Architect Engineer Kratos Defense and Security Solutions

Aug, 2025 to present

- ✓ Leads lifecycle orchestration trade studies for virtualization, containerization, and Command and Control (C2) architectures.
- ✓ Evaluates Commercial Off-the-Shelf (COTS) software solutions, automation, orchestration, and AI-enabled operations capabilities against mission requirements, technical restraints, and lifecycle needs.
- ✓ Develops architecture documentation, technical requirements, design artifacts, and decision-support materials for customer review.
- ✓ Coordinates with cybersecurity, engineering, operations, and vendor stakeholders to refine requirements and support architecture decisions.

#### Positioning Signal Integrity & Continuity Assurance (PSICA) Lead Cutting Edge Communications

Oct, 2022 to Aug, 2025

- ✓ Developed and maintained GPS civilian safety requirements, acceptance criteria, documentation, and Verification and Validation (V&V) traceability.
- ✓ Worked with the FAA to ensure future GPS satellites (Block IIIF) and OCX control systems met government requirements.
- ✓ Partnered with agencies, contractors, and vendors while supporting technical, schedule, and cost risk management.

#### Senior Systems Engineer Jacobs Technology

Oct, 2020 to Oct, 2022

- ✓ Provided systems engineering support for the \$4.6B IRES contract with the Missile Defense Agency (MDA).
- ✓ Applied government V-model, Agile, Scrum, and Jira tracking processes while serving as Jira administrator.
- ✓ Developed Task Order PWS requirements, acceptance criteria, status reports, and ERB support artifacts.

#### Senior Systems Engineer (Configuration Management) Infinity Systems Engineering

Oct, 2019 to Oct, 2020

- ✓ Provided Configuration Management engineering support for GBS and AFWET under USAF/USSF contract.
- ✓ Managed Military Satellite Communications (MILSATCOM) Control Board and Engineering Review Board change control processes.
- ✓ Analyzed Change Requests, Deficiency Reports, Problem Reports, software releases, and hardware modifications.

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| <b>Space Operations Squadron Manager &amp; AFSCN, Test Bed (ATB) and Transportable Assets Manager</b><br><b>CACI International</b><br>✓ Responsible for one-third of the Operations and Maintenance portion of the \$446M CAMMO contract.<br>✓ Supervised 35 personnel maintaining AFSCN Operational Control Node and Command and Control equipment.<br>✓ Managed eight transportable trailers valued at \$20M for satellite factory compatibility tests and mobile AFSCN backups.<br>✓ Served as liaison between the 22nd Space Operations Squadron, CACI, and subcontractors while managing QA/QC and risk. | <b>Apr, 2018 to Oct, 2019</b> |
| <b>Satellite Broadcast Engineer</b><br><b>Arctic Slope Regional Corporation (ASRC)</b><br>✓ Supervised 20 personnel in day-to-day Global Broadcast Service (GBS) Operations Center (GBSOC) activities.<br>✓ Managed GBS satellite bandwidth over WGS satellites and coordinated with associated teleports and earth terminals.<br>✓ Maintained Defense Enterprise Computing Center (DECC) network infrastructure using Windows Server, MSSQL, and Linux applications.<br>✓ Coordinated with COCOM Theater Information Managers, DoD teleports, WSOCs, RSSCs, and ARSTRAT to support missions.                 | <b>Oct, 2015 to Apr 2018</b>  |
| <b>Satellite Systems Coordinator/Broadcast Analyst</b><br><b>Lockheed Martin, IS&amp;GS</b><br>✓ Supervised five personnel supporting Global Broadcast Service Operations Center activities.<br>✓ Supervised Tier II technical support personnel for an inbound call center and monitored overall GBS system health.<br>✓ Created and maintained accounts for more than 2,500 concurrent end users and updated network topology drawings.                                                                                                                                                                     | <b>Oct, 2014 to Oct, 2015</b> |
| <b>Satellite Communications Systems Team Chief / Operations and Training Supervisor</b><br><b>United States Army, Active Duty</b><br>✓ Planned, coordinated, and executed operations and training events for more than 350 soldiers.<br>✓ Supervised 15 personnel establishing and repairing tactical and strategic satellite communications equipment.<br>✓ Managed risk assessments, Company Standard Operating Procedures, and equipment valued at over \$12M.<br>✓ Oversaw Phoenix Satellite Systems and Technical Control Facility operations utilizing Ka, Ku, C, and X bands.                          | <b>Jul, 2006 to Oct, 2014</b> |

## Education

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|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Expected 2027                                                                                   | <b>Master of Business Administration (MBA)</b><br>DeVry University, Keller Graduate School of Management                        |
| 2020 to 2022                                                                                    | <b>Bachelor of Science in Electronics Engineering</b><br>DeVry University                                                       |
| 2020 to 2021                                                                                    | <b>Associate of Applied Science in Automation and Electronic Systems</b><br>DeVry University                                    |
| 2006 to 2007                                                                                    | <b>Certificate in Satellite Communication Systems - Graduated with honors</b><br>Cyber Center of Excellence, United States Army |
| Several other certificates in individual courses/programs in the Satellite Communications field |                                                                                                                                 |

## Licensures, Affiliations, Organizations, etc.

- Six Sigma White Belt
- Amateur Radio Operator (FCC License: KD8LDP)
- Member of the Project Management Institute (PMI)
- Member of the Institute of Electronics and Electrical Engineers (IEEE)
- Member of the Association of Old Crows
- Member of the Society of Satellite Professionals International
- Member of the National Defense Industrial Association (NDIA)
- Member of the International Council on Systems Engineering (INCOSE)