

# TECHNOLOGY ENGINEER III

## Company Overview

Roku Management Consulting (RMC) is a premier consulting and general contracting firm specializing in personnel, professional, and information technology services. Founded by a service-disabled veteran with a mission to create opportunities and provide exceptional customer service, RMC has rapidly grown, securing several federal contracts within three years.

## Job description

Performs a variety of assigned engineering duties, including analysis, design and development, evaluation, specifications, procedures, troubleshooting, and documentation related to a specific engineering discipline. May be called upon to deliver presentations.

1. Conducts the definition and development of system requirements and documentation of the requirements in detailed specifications from which programs will be developed and/or procured, and from which hardware will be developed and/or procured. Manages the requirements change management process.
2. Formulates, defines, validates, and documents system scope and objectives, user requirements or stories, system use cases, business process workflows, enterprise architectures, system specifications and design based on user needs and specifications, research, and fact-finding.
3. Conducts stakeholder engagement sessions to elicit user needs, business architectures, processes, and gaps. Works with stakeholders to understand, characterize, model, analyze, and validate current and future business processes, data requirements, information flows, organizational relationships, and/or operational resources.
4. Applies standard research methodologies to gather, process, document, and analyze data. Uses relevant database software to effectively organize and present data and generate reports.
5. Conducts projects or pieces of larger projects. Maintains an understanding of project budgeting and financial tracking over the project lifecycle.
6. Devises or modifies specifications and procedures including: system design, requirements, verification, systems performance and capacity.
7. Designs conceptual and logical data models to be used in systems using UML and entity Relationship diagrams. Develops data dictionaries, schemas, data flows, and ontologies.
8. Develops information management strategies and governance aligned with organizational mission needs.

9. Analyzes and revises existing system interfaces, dependencies and documentation as necessary. Recommends changes and solutions for software and system problems and deficiencies.
10. Conducts independent technical investigations in systems design or other systems engineering topics.
11. Works with software developers to provide guidance on development issues. Ensures user needs are accurately represented to system designers and developers.
12. Leads development of independent validation and verification plans and scenarios, following industry standards and traceability to user/system requirements.
13. Develops key relationships with the division or team's major client/sponsors.
14. Drafts reports, briefings, or other project deliverables.

**Required Qualifications:**

1. Education: Bachelor's degree in computer science, mathematics, operations research, or a related engineering field or equivalent combination of education and work experience.
2. Experience: Minimum of 5 years relevant work experience performing duties similar to those above in a Government contract environment or 7 years of generally related experience. Experience supporting Federal Aviation Administration (FAA) preferred.
3. Skills:
  - Ability to participate in a wide variety of systems engineering disciplines including, but not limited to, safety risk management, reliability/maintainability/availability engineering, information systems security, risk management practices, earned value management, investment analysis, independent validation and verification, business analysis, and project definition, management, and control.
  - Ability to construct effective briefings using MS PowerPoint and advanced skills with MS Word and Excel and other standard software packages.
  - Ability to communicate information concisely, precisely, and in a grammatically correct manner in both oral and written communication.
  - Ability to present and summarize data effectively.
  - Exhibit a positive attitude in interactions with colleagues, clients/sponsors, and staff.
  - Strong customer and client relations management skills supportive of success in attaining research and engineering objectives in an environment that include a wide variety of stakeholders with differing viewpoints and approaches to solving problems.
  - Knowledge of and experience with system and software design processes, tools and techniques. Knowledge of and experience with system development and testing

documentation and standards. Knowledge of and experience with data and information management analysis techniques and best practices.

- Ability to work with and provide directions to others; Ability to lead technical project teams.
- Excellent writing and verbal communication skills.
- Ability to make significant contributions to projects/analyses.
- Strong analytic curiosity/ creativity; Strong critical thinking skills.
- Knowledge of FAA and international aviation domain, information technology, and artificial intelligence preferred.
- Advanced knowledge of AI and ML techniques, applications, and considerations preferred.
- Other: Ability to obtain and maintain security clearance is required.
- **PREFERRED:** Active Secret security clearance at the time of hire and throughout the life of the contract.

### **Benefits**

- Employer-provided paid Medical / Dental / Vision insurance.
- 401K plan.
- PTO
- 11 Federal Holiday