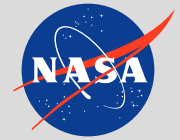


Updated 11 February 2019



Please contact 2Lt Victor Hill **prior to** applying at [vhill@columbususa.com](mailto:vhill@columbususa.com) or at (310.356.5649)

**All Work Locations: Pasadena, CA.**

### **Configuration Management Engineer w/Active TS/SCI**

Pay Range \$65-110K

18 month contract position

W2 with full benefits

#### Job Description:

- Be responsible for configuration management planning, administer change control processes, status accounting, audits and evaluations, product release and delivery, and software deployment.
- Establishing and maintaining the program's/project's CM systems, including documentation and software libraries.
- Developing scripts to support software build cycles, auditing, deployment and reporting.
- Providing CM to development teams and Program/Project Management.
- Developing, improving and training on CM processes.
- Developing CM solutions to a variety of technical problems and ensuring solutions are consistent with organization objectives and best practices

#### Required Skills:

- Must be a US Citizen or Green Card Holder w/ active TS/SCI
- Offer contingent on ability to successfully pass a background check and drug screen
- Successful candidates typically have a Bachelors degree in Information Systems, Management Information Systems, Systems Engineering, Computer Science, Computer Engineering, Computer Information Systems, Computer Systems Engineering, Physics, or Math.
- Minimum of 3 years of related experience with Software CM Administration.
- Experience establishing, developing and implementing CM identification, CM processes, training, configuration control, implementing/maintaining software library, product release and delivery, deployments, and configuration audits.
- Defining, analyzing or reporting Configuration Management Metrics.
- Great attention to detail with respect to managing software, development environments, documentation, software tools and program libraries.
- Ability to develop and maintain software CM tools (i.e. Puppet, CLI tools (scripts), web-based tools).
- A working knowledge of CMMI and AS 9100 requirements.

#### Desired Skills:

- The ability to perform build management (compiling, linking), release management (capturing and installing software baselines), and configuration audits.
- CM certification.
- Experience with Continuous integration/Continuous Delivery processes and development.
- Experience using CHEF or Puppet; Atlassian Tools (JIRA); Jenkins or Hudson.
- Using such languages as: Python, Perl, shell scripting, C++, JAVA, web development (Javascript, PHP, REST, SQL).
- DevOPS design, procedures and processes.
- Artifact repositories (Artifactory, YUM, GitHub).
- Databases: MySQL, No-SQL.

Number of positions:2

Updated 11 February 2019

**Systems Administrator w/Active TS/SCI**

Pay Range \$65-110K

18 month contract position

W2 with full benefits

**Job Description:**

JPL's OCIO Information Technology Special Programs Office is seeking a Windows Systems Administrator to join the team to provide daily operational support for Windows and Linux servers, systems and desktops to solve a wide array of customer needs and requests. You will be responsible for effective provisioning, installation/configuration, operation, and maintenance of systems hardware and software and related infrastructure. Under guidance of technical team leads, you will also participate in technical research and development to enable continuing innovation within the infrastructure. Ensure that system hardware, operating systems, software systems, and related procedures adhere to organizational values and sponsor's cyber-security requirements. You are a self-starter and will eagerly solve moderate to complex problems with minimal supervision.

**Responsibilities include:**

- Provide support for implementation, troubleshooting and maintenance of Information Technology (IT) systems to include but not limited to:
  - o Windows desktops and 2008/2012 servers
  - o Server and Desktop System Preventive Maintenance
  - o Active Directory account maintenance.
- Manage the IT system infrastructure and any processes related to these systems.
- Provide support to IT systems including day-to-day operations, monitoring and problem resolution for all of the client/server/storage/network devices, etc.
- Provide Tier 1 and 2 problem identification, diagnosis and resolution of problems. Assist as needed with Tier 1 (Help Desk) and provide mentoring and leadership for Tier 1 staff.
- Configure and manage server and desktop Windows operating systems and install/load operating system software, troubleshoot, maintain integrity and configure network components along with implementing operating systems enhancements to improve reliability and performance.
- Provide installation, configuration and ongoing support of network devices.
- Participate on teams in the analysis and design of new large-scale Windows operating systems and/or modifications to existing systems.
- Evaluate new system and application requirements regarding impact to the Windows operating system environment.

**Required Skills:**

- Must be a US Citizen or Green Card Holder
- Offer contingent on ability to successfully pass a background check and drug screen
- Typically requires a Bachelor's degree in Computer Engineering, Information Systems, Computer Science or other related discipline with a minimum of 3 years of related experience; Master's degree in similar disciplines with a minimum of 1 year of related experience;
- Knowledge and experience supporting Windows VM's, Workstations and Servers and working in heterogeneous computing environments. (i.e. Linux, Windows)
- Experience in assisting with configuration and support of network devices
- Demonstrated experience installing and configuring Windows and Linux servers and workstations for operational environments. (Windows Server 2008+, Linux RHEL7+)
- Have experience with IT security and related technologies to ensure compliance with regulations and government sponsor requirement.
- Familiarity with all areas of analysis, design, installation, implementation, configuration, tuning, administration, operation, and security of mid-tier Windows systems.
- Experience providing systems administration support to scientists and/or engineers
- Demonstrated knowledge working in environments employing configuration management and/or configuration control measures.
- Ability to provide documentation and detailed instructions regarding systems administration activities.
- Required to respond to after-hours requests as needed in a 24 x 7 environment.

Number of positions: 1

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## **Lead Mechanical Systems I&T Engineers**

Pay Range \$115-180K

12 month contract position  
W2 with full benefits

### Job Description:

This unique opportunity is part of JPL's Mechanical Systems Engineering, Fabrication and Test Division that engages in research, technology development, and the creation of advanced mechanical, thermal, propulsion, and electronic packaging systems with expertise that spans the full breath of mechanical disciplines and is applied from architectural concept development through operations.

As a Mechanical Engineer V, you will be working for the Payload and Small Spacecraft Mechanical Engineering Section (355), which is responsible for the structures, mechanisms, and mechanical systems engineering of payloads and small spacecraft across all phases of the mission lifecycle.

You will:

- Lead engineers and participate on teams in the development of mission systems that are managed within the section.
- Be responsible for a qualification test program of a large deployable assembly. Test program includes vibration and thermal testing as well as verification of deployments.
- Provide extensive composite engineering knowledge to projects and interface with project personnel and contractors.
- Work independently and under the direction of the group supervisor, project management, and technical leads.
- Contribute to the team's performance including executing technical work, budget and schedule.
- Plan, execute and deliver products including: concepts, proposals, integrated systems, mission operations, ground data system, science data system and data products for instruments and missions.
- Assure the quality, accuracy, and integrity of the project deliverables in compliance with JPL standards and project plans and policies.
- Act as point of contact to junior engineers, sponsors, subcontractors and to senior management within the section.
- Ensure continual involvement and participation with industry partners and other NASA centers.

### Required Skills:

- Must be a US Citizen or Green Card Holder
- Offer contingent on ability to successfully pass a background check and drug screen
- Bachelor's degree in Mechanical Engineering, Aerospace Engineering, or related technical discipline with typically a minimum of 12 years of related experience; Master's degree in similar disciplines with a minimum of 10 years of related experience; or PhD in similar disciplines with a minimum of 8 years of related experience.
- Wide-ranging experience and advanced knowledge in one or more of the following areas: mechanical systems including structures, configuration, mechanisms, structural analysis, and integration and test.
- Ability to solve mechanical engineering problems, performs trade studies, and develops conceptual designs.
- Extensive understanding and wide application of advanced principles, theories, concepts and techniques in solving mechanical engineering problems, performing trade studies, developing engineering requirements, designing piece-parts and mechanical systems, and providing oversight to the fabrication, assembly, and qualification of spacecraft flight hardware resulting in mission success.
- Working knowledge of mid-level CAD tools (i.e. Solidworks, Unigraphics).

### Desired Skills:

- Mechanical system engineer with experience in complex space systems.
- Extensive experience in integration and testing of assembly flight hardware.
- Ability to solve mechanical design problems, perform trade studies, develop design requirements, perform piece part design, and coordinate fabrication, assembly and qualification of hardware.
- Demonstrated experience working with various engineering disciplines as the focal point for information dissemination and interpretation.
- Complete knowledge of industry and/or academic practices and standards across a range of applications related to mechanical engineering and design of spacecraft flight hardware and systems.

Number of positions: 6

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**Systems Integration and Test Engineer (TS/SCI and UNCLEARED WORK)**

Pay Range \$110-165K

12 month contract positions

W2 with full benefits

**Job Description:**

- Provide engineering support and leadership within a Systems Integration & Test task for a flight or technology demonstration project, and be a member of the Systems Engineering, Integration, and Test Section (3130).
- Participate in the overall planning, direction, cost, schedule and technical aspects of the System Integration activities.

**Required Skills:**

- Must be a US Citizen or Green Card Holder
- Offer contingent on ability to successfully pass a background check and drug screen
- Bachelor's degree in Engineering, Physics, or related technical discipline with typically a minimum of 9 years related experience; Master's degree in similar discipline with a minimum of 7 years related experience; or PhD in similar disciplines with a minimum of 5 years related experience.
- Proven ability to plan and manage complex technical, financial, workforce and schedule resources.
- Experience planning, organizing, executing, and participating in system integration and test activities.
- Demonstrated skills leading large multi-disciplinary, multi-organizational teams.
- Demonstrated ability in System Test Bed and/or system I&T environment.
- Ability to react to frequent changes in plans and excel in a rapid pace concurrent engineering environment.
- Expertise in electrical and/or mechanical integration and system test. Team player with exceptional verbal, written, and presentation skills with the ability to operate effectively with little oversight.
- Demonstrated experience in testing of systems, including test planning, test procedure development, and data analysis.

**Desired Skills:**

- Proven ability to successfully collaborate with other technical organizations, both inside and outside JPL. Significant experience participating in /or leading JPL System Integration, Test, and Launch Operations activities.
- Experience planning (storyboarding) and executing spacecraft mechanical assembly activities.
- Experience planning, coordinating, and executing launch site activities.
- Experience in the coordination and execution of a system level Verification and Validation (V&V) program as related to System Testbeds and/or system integration and test.
- Experience performing System Integration & Test and/or supporting Mission Operations.
- Experience dealing with Contamination Control for flight missions.
- Experience planning and executing electrical integration, functional checkout and system test activities.
- Experience planning and executing flight vehicle environmental test program.
- Experience executing logistics activities for large spacecraft (testbed and flight vehicle) assemblies.

Number of positions: 1