

Employment Opportunity: Intelligent Transportation Systems (ITS) Systems Analyst/Engineer

Consensus Systems Technologies (“ConSysTec”)
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ConSysTec is a Systems Engineering consulting firm, specializing in Intelligent Transportation Systems (ITS).

Role: Entry-level Systems Analyst/Engineer. This position will have the opportunity for substantial professional development with mentoring from experienced professionals who are recognized as the leaders in this industry.

Status: MUST be US citizen or Green Card holder. No exceptions.

Education: BS or higher in EE, Transportation Engineering, CS or an equivalent technical major.

Experience: Is a plus, but not a requirement for this opportunity.

Attitude: MUST be a self-starter and able to complete assignments independently. Help and mentoring is available – but the successful candidate will know when to seek help and maintain progress. Excellent judgment is a requirement – understand that we are planning transportation systems and life-safety of our clients and their customers is a serious consideration. Poor choices regarding your personal behavior will inevitably cause us to question if we can trust you with our client’s objectives.

Responsibilities:

- Near Term:
 - Develop and maintain traceability matrices for data specification standards for transportation systems:
 - Needs (Concept of Operations) to Requirements (functional and performance)
 - Requirements to Design
 - Run and update/test software applications that convert large data sets from one format to another (e.g. for transit schedule data).
 - Manage large datasets.
- Longer Term:
 - Assist and eventually lead in the development and maintenance of regional ITS architectures
 - Learn to use and extend proprietary software to graphically represent institutional and technical requirements for system interoperability
 - Understand and document stakeholder requirements for regional interoperability
 - IV&V (Independent Verification and Validation)
 - Support project management and project systems engineering management.

Computer and Internet skills: Must be excellent. Able and willing to learn new computer languages and technologies as needed. For example, we have developed scripts and software using Visual Basic for Applications (VBA), Microsoft Access, Python, SQL, and PHP. We also maintain a web site, so ability to

navigate HTML is a plus. The successful candidate has been learning languages and technologies for the last few years as their career and educational process has progressed. A long list of languages and technologies is not really the point, but yes, you should have accumulated many such skills.

English language skills (verbal, written and listening): Must be excellent. This position will require engaging with stakeholders to understand and document requirements, and to communicate implications of technical choices and options to stakeholders so that they can make informed choices.

Foreign language skills: are a plus. ConSysTec has done projects all over the world (e.g. Latin America, Asia, and the Middle East), and wants to do more such projects. Spanish, Arabic and potentially Mandarin, Portuguese, and Tagalog, depending on the skill level, may gain additional consideration.

The successful candidate will be excited about doing the detailed work needed to develop very technical standards, codes and other analysis projects, and will be very detail and quality oriented. The candidate must be able to stay focused on needs and requirements which drive the detailed work.

Familiarity with the INCOSE approach to systems engineering is a plus, but not a requirement for this job. It is likely that the successful candidate/employee will want/qualify to be an INCOSE Certified Systems Engineering Professional sometime after 5-years in this job. All costs for this certification are paid by the company – after you qualify.

ConSysTec has a very flexible work location program. Most employees choose to work in a home office. The company 100% supports home offices with the cost/expense of computer hardware, high speed internet connections, printers, scanners, etc.

Business travel can be frequent, and is NOT optional. All reasonable and actual costs are reimbursed.

Compensation: Up to \$50K/yr (depending on qualifications and experience) plus benefits: 100% company paid medical/dental insurance + profit sharing + vacation.

Applicant Instructions: Send to rsj@consystec.com by email:

1. Attach a 1-page maximum cover letter including your salary requirements.
2. Attach a resume.
3. Attach a sample of your technical writing (an original paper, report, technical essay, article, or other technical material).
4. DO NOT CALL! If you have questions, please email them.
5. After your email and attachments are reviewed, qualified potential candidates will be contacted for interviews to be held first by phone (up to one-hour), and if chosen for further consideration then for a 2-hour face-2-face interview in NYC. Date / time TBD. If you are selected for an interview in NYC, your reasonable, actual, and documented travel costs will be reimbursed.
6. Follow the above instructions carefully. Ignoring any aspect of the instructions will likely cause you to not be considered further.

ConSysTec Core Beliefs:

- Service to the customer
- Excellence in everything we do
- Respect for all individuals

Thank-you for reading this far, and good luck in your career search.