

Job Description

Title: Senior Systems Engineer - Device Cost Ctr: 701

Work Location: Addison Position Status: Full-time Part-time

Division & Department: Engineering

Position Reports to: SVP, Engineering

COMPANY VALUES

All Authentix employees are expected to embrace our Company values in the performance of their respective tasks and duties.

Always with *integrity*.....Authentixians:

- Dedicate ourselves to our customer's success;
- Compete and win with integrity;
- Create innovative solutions with science and technology; and
- Team and collaborate with accountability.

JOB SUMMARY

The Senior Systems Engineer (SSE) provides the business knowledge and technical skills to implement technical and manufacturing strategies, evaluate products and provide a superior level of technical support, which benefit Authentix.

The SSE supports the development of authentication solutions comprised of proprietary security materials and advanced detector technologies. The SSE will act as the technical project lead, with a broad range of tasks, including supporting initial proposals and feasibility studies, defining requirements, contributing to the creation of project schedules and budgets, and directing the members of a multi-disciplinary engineering team throughout the development process. The SSE will have visibility and responsibility across Authentix's device footprint and is responsible for simplifying and rationalizing the overall portfolio.

The SSE will be responsible for driving the technical aspects of development programs, from creating methodologies for selecting key technologies and evaluating architectural alternatives to defining targeted test strategies to identify root-cause for system performance issues and anomalies identified during verification and validation testing activities.

SUMMARY OF ESSENTIAL JOB FUNCTIONS

The essential functions listed below are representative of the functions that must be performed in order to satisfactorily fulfill the purpose of this job. Additional functions and duties may be assumed or assigned from time to time.

- Lead a team of in-house engineers and/or 3rd party partners in the identification, modeling, analysis, architecture, integration, and management of complex systems and processes
- Perform feasibility testing related to new product concepts, including design of experiments, data collection, and data reduction

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- Create technical documentation, including functional and refined requirements, theory of operations, etc.
- Contribute to the creation of project schedules and budgets
- Lead technical development activities from initial proposals and feasibility studies through system deployment
- Provide technical overview and project status updates to internal and external customers
- Investigate system anomalies and performance issues to establish root cause

KNOWLEDGE, SKILLS AND ABILITIES

To perform this job successfully, an individual must be able to perform each essential function satisfactorily. The requirements listed below are representative of the knowledge, skills and/or abilities required to satisfactorily perform the essential functions of this job.

- Broad engineering background with experience leading multi-disciplinary development teams
- Strong understanding of basic science (physics/chemistry)
- Proficiency in design of experiments, test equipment set up, data analysis, failure analysis, etc.
- Experience defining and executing detailed test plans for complex systems
- Experience troubleshooting anomalous behaviors in complex systems
- Ability to work independently with little supervision
- Ability to clearly communicate with technicians, engineers, scientists, and managers to achieve goals with aggressive timelines
- Experience interacting with customers and handling highly confidential information
- High degree of organization and the ability to handle multiple simultaneous tasks

EDUCATION AND EXPERIENCE

- Master of Science in Engineering, Mathematics, Applied Physics or equivalent
- 5-7 years minimum relevant experience
- Skilled with design, development, and analysis tools

Additional Factors Resulting in Added Consideration:

- Broad base of experience working with multi-disciplined development teams
- Hardware and/or software development experience
- Working knowledge of optics, spectroscopy, electronics, optoelectronics, thermal modeling and material science
- Experience researching and preparing patent applications
- Ability to obtain a security clearance - optional

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WORK REQUIREMENTS

The work environment characteristics are representative of those an employee encounters while performing the job. Authentix is committed to complying with all applicable provisions of the Americans with Disabilities Act (ADA), the ADA Amendments of 2008 and all applicable state and local laws concerning disability accommodation. Reasonable accommodations will be provided to individuals with known physical or mental disabilities if such accommodation would not impose an undue hardship on the company, and would enable the individual to apply for, or perform, the essential functions of the position in question.

Environment: Work is performed primarily in a standard [*office/warehouse/lab*] environment. Employees may work under the stress of regular interdepartmental interaction and pressure to meet various deadlines.

Physical: Essential functions require sufficient physical ability and mobility to work in an [*office/warehouse/lab*] setting. While performing the duties of this job, the employee is frequently required to stand and/or sit for prolonged periods of time; must be able to hear and verbally communicate in order to exchange information in person or over the phone; to occasionally stoop, bend, kneel, crouch, reach and twist; to lift, carry, push and/or pull up to 25 pounds of weight; to operate office equipment requiring repetitive hand movement; to occasionally travel to other locations using various modes of private or commercial transportation.

NOTIFICATION

This Job Description is intended to describe the general nature and level of work being performed by people assigned to this job and is not considered an exhaustive list of all responsibilities, duties and required skills. This Job Description does not constitute an offer of employment. The employment relationship between the Company and its employees is “At-Will” and based on mutual consent. Authentix, Inc. is an Equal Opportunity Employer.