

# Job Description

Title: Senior Electrical Engineer Cost Ctr: \_\_\_\_\_  
Work Location: Addison Position Status:  Full-time  Part-time  
Division & Department: Engineering Hardware  
Position Reports to: Director, Electrical 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 value:

- Teaming and collaboration
- Advancing science and technology - for a better world
- Dedicating ourselves to our clients' success
- Competing and winning in the marketplace

## JOB SUMMARY

The Electrical Engineer will be responsible for the specification, design, fabrication and test of authentication devices. Ideal candidates will have a diverse range of hardware design experience; 50% digital design, schematic capture (Orcad), 50% analog circuit design, and one who can work within timelines.

## 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.

- Specify, design, implement and test digital, electro-optical, and analog systems. These system are low power, battery operated, electro-optical instruments that authenticate products.
- Work closely with other hardware and software team members to specify, architect and refine designs.

## KNOWLEDGE, SKILLS AND ABILITIES [education, certification, experience, general skills]

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.

- Bachelor of Science in Electrical Engineering required
- Minimum of 5 years of experience in product design and development
- HW specification/architecture definition experience.
- Digital and Analog circuit design skills.
- Excellent technical problem solving skills.

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- Excellent written and verbal communication skills.
- Experience with electrical CAD software required. ORCAD software preferred.
- Proficiency in Microsoft Office applications
- Ability to work independently in a fast-paced, multi-tasking, small company environment
- Experience in the following areas:
  - Precision optical instrumentation
  - Electro-optical systems
  - Hand-held and battery-operated devices
  - Switching power supplies
  - Embedded processors
  - Lasers and high-power LEDs drives
- Statistical analysis
- Having experience writing code for an embedded processor is a plus

## **SPECIAL REQUIREMENTS**

- None.

## **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 environment with periodic work in a laboratory. 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 or laboratory 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

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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.