Job title: System Applications Engineer (Vital Sign Monitoring)

Business unit: Digital Healthcare (DHC)

Job Grade: E06, new college hire

Hiring Manager: Roberto Munoz

Analog Devices (ADI) designs and manufactures semiconductor products and solutions. We enable our customers to interpret the world around us by intelligently bridging the physical and digital worlds with unmatched technologies that sense, measure, and connect.

The Digital Healthcare Business Unit at ADI is seeking an experienced engineer to work on system design and development in the application space of Vital Sign Monitoring

The Role

This position requires a strong candidate to design and evaluate optimal reference designs and complete system level solutions, clearly demonstrating ADI's value add, while optimizing customer design time and experience. The candidate should enjoy and excel at solving large system level problems.

Key Responsibilities

Master ADI's Vital Sign Monitoring portfolio. Be knowledgeable on ADI's Power Management and low power microcontroller solutions. Optimize the performance of systems based on such product portfolio.

Lead the design and simulation of reference designs and/or complete solutions

Support customers to evaluate and use ADI product portfolio. Define/develop software tools which may help in this area

Future additional responsibilities (5-year growth plan)

Drive customer and field awareness of our solutions, clearly articulating system-level value proposition and trade-offs.

Support promotion and technical training initiatives (tradeshows, webinars, etc.)

Engage with customers, system architects and internal marketing team to understand customer's pain points and application challenges

Actively contribute to the definition, development and testing of future products & systems. The candidate will operate as an interface between circuit designers, application engineers, firmware developers, and marketing

Minimum Qualifications and skills

Bachelors or Masters degree in Electrical/Electronic Eng or Biomedical Eng

Core electronics fundamentals in both analog and digital domains

Must have a passion for instrumentation and be thorough working in the lab, creating test benches and quantifying and backing conclusions with data

Basic knowledge on hardware and PCB design

Basic skills in embedded firmware programming (C/C++)

Basic hardware and firmware debugging skills

Personal interest in biomedical topics and vital sign monitoring applications such as pulse oximetry, ECG, EEG, EMG, BIA, EDA/GSR and others

Self-motivated, thorough, autonomous, and driven to continually improve

Additional Desirable Skills, Knowledge and Abilities

Strong communication skills, both written and oral

Strong presentation and technical documentation skills

Knowledge of other programming languages/tools (LabVIEW, Python, Matlab, etc.)

Travel Required: Yes, 10% of the Time

If interested, send your CV, marks, and motivation letter, all in English, to adispain_careers@analog.com