

## Senior DSP Software Engineer

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**Openings:** 1 (Bangalore, India)

**Experience:** 5+ years

**Employment Type:** Full Time

### **Job Description:**

Looking for software DSP engineer with experience in medical imaging space. Any experience in beamforming, image processing, and doppler processing are relevant. Candidates shall use Python with SciPy and Numpy for floating point models and C/C++ for fixed point implementations. Candidates should be able to understand time, frequency, and spatial FIR/IIR filters; signal processing in time, frequency, and complex domain.

### **Should have expertise in:**

- Digital signal processing fundamentals including, but not limited to, digital filter design, stochastic data analysis, adaptive signal processing, frequency domain data analysis, 2D image processing.
- Digital signal processing tools MATLAB/Octave, Maple, and NUMPY/SCIPY
- Knowledge of real time implementation DSP algorithm in FPGA, GPU, DSP processors, and other SIMD vector processors
- Senior industrial experiences in field of medical imaging, particular ultrasound/CT/MRI imaging

### **Good to have expertise in:**

- Complete ultrasound processing chain from raw ADC data to clinical images.

## DSP Software Engineer

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**Openings:** 2 (Bangalore, India)

**Experience:** 3+ years

**Employment Type:** Full Time

### **Job Description:**

Looking for software DSP engineer with implementation experience in Python and C/C++.

Candidate should be able to understand the trade offs associated in converting algorithms from floating point to fixed point. Relevant experience includes implementation of various FIR and IIR filters and good grasp of frequency domain and temporal domain processing.

### **Should have expertise in:**

- Digital signal processing fundamentals including, but not limited to, digital filter design, stochastic data analysis, adaptive signal processing, frequency domain data analysis, 2D image processing.
- Digital signal processing tools MATLAB/Octave, Maple, or NUMPY/SCIPY
- Some knowledge of real time implementation DSP algorithm in FPGA, GPU, DSP processors, or other SIMD vector processors
- Industrial experiences in field of medical imaging, video processing, high speed digital communication, or wireless network.

### **Good to have expertise in:**

- Medical device specific DSP, particular ultrasound/CT/MRI imaging.