

Job Title: DSP Software Engineer
Location: Sunnyvale, California

Hiring Manager: Rubin
Date: July 31, 2009

Job Description:

Rosum, a Silicon Valley startup, was named in Red Herring's list of 100 companies that are "Driving the Future of Technology". Rosum provides seamless indoor/outdoor location technology that is superior to existing GPS-based systems. Rosum designs, builds, and markets the chipset, software, and hardware components of the Rosum TV+GPS system.

We are seeking a seasoned DSP software engineer with a recent history of product development success to help develop and productize Rosum positioning system. This person will fill a critical role on our engineering team and will have high visibility. The technology being developed is described at <http://www.rosum.com>. This position reports to the V.P. Engineering.

Primary Responsibilities:

- Design, implement and debug DSP algorithms for Rosum's positioning system
- Program in high level languages (C, C++) for real-time software on embedded platforms (Linux, VxWorks etc.).
- Communicate approach and results, outlining the outcome of technical projects and making recommendations for action necessary to reach desired results

Required Skills/Experience:

- Minimum five years experience in DSP software development in C/C++ on embedded platforms
- Expertise with DSP algorithm coding, system analysis, functional partitioning as well as general software development practices
- In-depth knowledge of DSP optimization techniques
- Strong communications, organization, problem solving and leadership skills, and high degree of flexibility

Ideal Candidate:

- Deep knowledge of positioning technologies (device and server based) and location-based services
- Prior experience in integrating SW into the customer products
- Prior experience with direct customer interaction
- Prior experience with algorithms development and porting from MATLAB to final platform

Terms:

Full-time permanent employment. Compensation commensurate with experience and fit.