



# Example of Senior Staff Software Architect Job Description

Powered by [www.VelvetJobs.com](http://www.VelvetJobs.com)

Our company is growing rapidly and is looking for a senior staff software architect. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

## Responsibilities for senior staff software architect

- Work closely with cutting edge software technologies, connectivity, sensors and sensor fusion, IoT, AR, VR, Computer vision, Natural Language Processing and Artificial Intelligence to build proof-of-concepts and prototypes that showcase state-of-the-art concepts for next generation devices
- Interface with 3rd party software companies to integrate, optimize and stabilize platform system software
- Incorporate new ideas and approaches to improve the design or the development process
- Perform research and analysis of technology trends and business opportunities, formulate research project strategy, architect and implement technology solutions to identified problems/opportunities
- Lead the Software Architecture for Beckman's Hematology products
- Analyze needs for next generation Hematology software and describe them as a coherent architecture containing a mixture of third party and home grown elements
- Communicate a vision to both executives and hands on engineers
- Work within the constraints of incremental approach to implementing next generation architecture, making use of revenue generating product roadmap projects to develop and deploy elements of the new architecture
- In parallel with architecting the next generation of software this position requires high level oversight of enhancements to the existing generation of

- Research, recommend and guide adoption of tools which will aid the design, development, building and deployment of the next generation of products

### **Qualifications for senior staff software architect**

- BS/MS in Computer Science/Electrical Engineering, Engineering or equivalent combinations of education and experience
- 12+ years of experience as a Software Developer/Architect
- Experience with modular architecture and delivery of complex algorithms and features on mobile platforms
- 3+ years of experience with connectivity, sensors and sensor fusion, IoT, AR, VR, Computer vision, natural language processing
- Experience with Artificial Intelligence / Machine Learning Algorithms on embedded devices
- Demonstrated foundation in Computer Science, with competencies in data structures, algorithms and software design