

IKOEtch Company has an immediate opening for a Technical Software Analyst position at its Houston, TX office. The Technical Software Analyst prototypes new product technology and acts as a bridge to convey the prototype to software engineers for final development. This person designs complex prototype programs requiring in-depth knowledge of our organization's operating procedures and information technology capabilities. He/she works closely with the CTO and Scientific Advisory Board to learn the research theories, scientific discoveries and systems architecture surrounding the technology. He/she also assists the Project Manager in creating any documentation required for its development. The Technical Software Analyst must have the ability to interact well with Software Engineers for prototype conveyance and troubleshooting processes. Verification of the correct implementation of the technology into the software product is a key duty.

IKOEtch is a fast-grow company with great potential to expand its market size and product lines, which are primarily used in the Radiation Therapy departments of Cancer treatment institutes. Our knowledge-base and productivity tools empower clinicians with the expertise and experience of today's leading oncologists and physicists. This allows complex emerging therapy techniques of the highest standards to be employed everywhere. We're dedicated to developing cutting-edge systems that improve and optimize health care for everyone.

We welcome all candidates with strong software programming experience who are interested in contributing their efforts to improving the successful treatment of cancer patients.

Please send your resume to:

Oliver Diaz, General Manager

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IKOEtch, LLC.

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Houston, TX 77908

Personnel Job Description

◆ Section I: Job Identification

Job Title:	Technical Software Analyst	Job Code:	ENG-C01
Reports to:	Chief Technology Officer (CTO)		
Division:	Engineering & Technology	Division Code:	ENG

◆ Section II: Summary of Job Functions

General Description:

The Technical Software Analyst prototypes new product technology and acts as a bridge to convey the prototype to software engineers for final development. This person designs complex prototype programs requiring in-depth knowledge of our organization's operating procedures and information technology capabilities. He/she works closely with the CTO and Scientific Advisory Board to learn the research theories, scientific discoveries and systems architecture surrounding the technology. He/she also assists the Project Manager in creating any documentation required for its development. The Technical Software Analyst must have the ability to interact well with Software Engineers for prototype conveyance and troubleshooting processes. Verification of the correct implementation of the technology into the software product is a key duty.

Key Responsibilities:

- Development of product prototype and core algorithm.
- Guided by Chief Technology Officer (CTO) for prototype development.
- Communicates with Scientific Advisory Board for scientific research implementation.
- Assists Project Manager in writing and updating functional and feature specifications/descriptions, user interface, project descriptions/objectives, and relationships to other systems.
- Educates and instructs Software Engineers in product development.
- Communicates with Lead Software Engineers to resolve coding related issues.
- Verifies that the software code meets specifications.
- Validates that the execution results satisfy the scientific research.

◆ Section III: Job Qualifications**Education/Training/Certification/Licensure:**

- Diploma/Degree(s): MS in Computer Science or related field.
- Minimum 3 years software development experience using Microsoft Visual C++ and Visual Studio .Net.
- Minimum 2 years of experience with numerical computation, biotech or related applications.
- Experience with medical software development and management preferred.

Required Skills:

- Strong mathematic and scientific background.
- Good understanding of Software Development, Design Patterns, C++ and object oriented concepts.
- Must have strong oral and excellent written communication skills.
- Experience using MatLab preferred.
- Fluent in Mandarin preferred (but not required) for communication with engineering team in China.
- Need to understand medical and technical language to advise project plans and/or infrastructure.
- Able to adapt quickly to change and work in a rapidly changing environment.

◆ Section IV: Environmental Descriptions**Work Environment and Hazards:**

- Well-lighted and well-ventilated office environment.
- Possible visits to Radiation Oncology/Radiotherapy department.
- Possible visits to development engineering team in China.

Work Contact Group:

- Supervisors
- Co-workers
- Outsourced engineering team members
- Radiation Oncology staff – Physician, Physicist, Dosimetrist and Therapist.
- Vendors and business service providers.

Traveling and Commuting:

- Working at IKOEtech office ~ 90% +.
- Working and meeting with CTO in Newark, DE ~ 5%.
- Meeting with outsourced engineering team in China ~ 3%.
- Visiting customer sites ~ 2%.