

## Senior Engineering Technician

Job Reference: SET  
Posted: April 2021

Location: Carlsbad, US  
Weekly Hours: 40

### The Role

DNA Electronics (DNAe) is a dynamic company integrating cutting edge sequencing technologies with novel biochemical techniques to create a revolutionary sample-to-answer sequencing platform. We are seeking a strong individual to contribute to the DNAe team. The right candidate will be self-starting, detail-oriented, and able to work as part of a multi-disciplinary team.

The senior engineering technician is a pro-active individual capable of planning and managing projects that involve the building, deployment and maintenance of complex R&D instrumentation incorporating fluidics, actuators, pumps and sensing devices used by scientists and engineers developing a next-generation DNA sequencer.

### Responsibilities – General

The activities of the Senior Engineering Technician include:

- Hands-on work in a BSL Level 2 lab environment to investigate and solve complex issues on specialized electromechanical instruments using tools/equipment from workshop.
- Use instrument control software to perform testing on instruments to investigate issues.
- Pro-actively seek to improve the performance and reliability of R&D devices (e.g. fixtures and rigs) using scheduled instrument maintenance and issue tracking strategies.
- Collaborate with engineers and scientists by giving technical input at the onset of a project.
- Build, troubleshoot and deploy specialized instrumentation, incorporating microfluidics, temperature control, pneumatics, pumps and sensors.
- Plan and manage own projects and responsibilities with guidance from supervisor.
- Perform repetitive tasks rigorously and with minimal supervision.
- Draft and maintain documentation within a regulated ISO 13485 environment including work instructions, standard operating procedures, bill of materials and reports.

## **Person Specification**

The role holder has a track record of maintaining and supporting scientific developments with experience working on fluidic components and assemblies in a laboratory setting, preferably in an IVD / medical devices ISO 13485 environment.

The role holder is self-motivated driven, creative and pro-active able to build effective relationships across organisational boundaries and actively engage in solving challenges side-by-side with colleagues from diverse disciplines and functions.

### **Education:**

- B.S./A.S. in Bio-engineering, Mechanical Engineering or other relevant fields; AND
- 5+ years industry experience in life sciences, mechanical workshop, physical test laboratory, medical or precision industry manufacturing

### **Qualifications and experience**

- Extensive experience as an Engineering Technician within the Medical device, IVD or related regulated environment (i.e. ISO 13485)
- Experience investigating and solving problems with complex instrumentation
- Multi-skilled in the assembly of electro-mechanical R&D devices, rigs and fixtures.
- Proficient in preventive maintenance of instrumentation.
- Practical experience in rapid prototyping techniques (e.g. CNC milling, 3D printing, laser cutting, plastic bonding techniques).
- Practical experience in soldering and wiring electrical components and sensors.
- Basic skills in CAD (SolidWorks) and other industry standard issue tracking software tools (Trello/JIRA).
- Able to communicate technical knowledge in a clear and understandable manner
- Capable of drafting and following SOP, WI and reports
- Proficient of Microsoft Packages (MS Word, Excel, PowerPoint)
- Experience working in a wet lab or ideally BSL-2 environment
- Capable of managing own projects ensuring deliverables are achieved on time.
- Diligence and attention to detail

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**Location**

DNA Electronics Inc. is based in Carlsbad, CA

**Apply**

If you believe you meet the above criteria and would relish playing a key role in developing a revolutionary technology, we would be delighted to hear from you.

We offer a competitive compensation package to successful candidates.

Please email your CV and cover letter to: [HR-US@dnae.com](mailto:HR-US@dnae.com) quoting

**Your name and the job title** in the subject line.

For more information about DNAe, please visit our website [www.dnae.com](http://www.dnae.com)

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