

Integrated DNA Technologies

ID 2019-4682

Job Locations US-IA-Coralville **Category** Research & Development

of Openings 1

Posted Date 10 hours ago

Shift/Schedule M-F 40 Hour Week (United States of America)

Overview

The Software Engineer III conducts and/or supports development of software tools for both internal and/ or external (e.g., customer) use. The software development will directly support basic science of nucleic acids and nucleic acid biochemistry and will assist with development and characterization of new IDT products. This position develops solutions and supports fellow Bioinformatics staff developing software for new products at IDT.

Responsibilities

Job Specific Essential Functions

- Design and manage the computing infrastructure, tools and methodology used by the Bioinformatics team.
- Coordinate with IDT Enterprise I.S. staff regarding computing infrastructure planning, purchases and configuration.
- Provide recommendations to Bioinformatics staff regarding architectural and development tool decisions.
- Troubleshoot issues related to open-source Linux services.
- Develops software tools required for execution of assigned work, with minimal oversight.
- Analyzes experimental data, report results and plan the next steps.
- Organizes and manages moderately complex projects.
- Integrates existing software packages into IDT's suite of bioinformatics solutions.
- Maintains clean, documented code supported with appropriate unit and integration tests.
- Executes plans for coordinating the integration of software from multiple projects into a production-level suite of software tools.
- Interacts with and assists other members of the R&D team as needed to meet research objectives.
- Oversees activities and assists with training of research personnel as directed.
- Presents experimental results, data analysis or software summaries at group meetings as directed.
- Demonstrates behavior consistent with the Integrated DNA Technologies Core Values.
- Performs other duties as assigned.

Position Specific Essential Functions

- Proven track-record in software engineering.
- More than three years experience using and configuring GNU/Linux or BSD systems.
- Familiarity with best practices in software engineering workflows for small to medium size teams.

Education

- Bachelor's degree (in Engineering or other related field) with three or more years previous experience in bioinformatics, software engineering, or Linux administration required
- Master's degree (in Bioinformatics, Computer Science or a related field) with 4 or more years previous experience in bioinformatics, software engineering, molecular biology, genetics or other scientific discipline preferred
- Doctorate degree (in Bioinformatics, Computer Science or a related field) preferred

Professional Experience

- Proficiency in build/ release engineering preferred.
- Proficiency in Linux systems for scientific/engineering disciplines preferred.
- Previous experience with HPC schedulers preferred.
- Previous experience with ansible preferred.
- Previous experience with cloud deployment tasks preferred.
- Experience with data engineering preferred.

Required Skills

- Proficiency with distributed version control tools required.
- Proficiency with containerized app preferred.
- Proficiency with Linux required

Other Knowledge, Skills, and Abilities

- Ability to train others in basic software techniques and equipment operation.
- Strong organizational skills and attention to detail.
- Good verbal and written communication skills.
- Ability to perform a variety of duties, often changing from one task to another without loss of efficiency or composure.

- Ability to maintain both a high standard of courtesy and cooperation in dealing with co-workers.
- Ability to accept responsibility for the direction, control or planning of an activity.
- Adaptability to situations requiring the precise attainment of set limits, tolerances or standards.
- Ability to perform repetitive work or to perform continuously the same work, according to set procedures sequence or pace.

Travel Requirements

- Seldom travel (Up to 5% of time) required

Integrated DNA Technologies is an equal employment and affirmative action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply.

Apply Here: <http://www.Click2apply.net/4kcycj2jwj3c3c4m>

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