

## Back-end Developer Job Description

**Location:** Montreal, Quebec

**Employment Type:** Full-time with possibility for remote work.

**Job Title:** Back-end Developer

**Salary:** \$50,000 - \$85,000, depending on experience.

### Job Summary

As a Back-end Developer, you will be responsible for supporting the development, maintenance, and optimization of workflow processes within our organisation. You will work closely with other developers and analysts to design, implement, and test workflows that enhance operational efficiency and productivity. Additionally, you will be involved in coding and scripting tasks to support various software applications and tools used across the company. The successful candidate will assist a team of bioinformaticians, clinicians and statistical geneticists at 5 Prime Sciences to identify novel drug targets for our partners in the biotechnology industry.

### About Us

5 Prime Sciences uses insights from human genetics to accelerate drug development and increase return on investment in the life sciences. Using unique datasets and advanced human genetics analyses, as a spin-out from the Richards Lab at McGill University, 5 Prime has been able to grow rapidly and help large pharmaceutical companies, biotech and venture capital companies. We value the following from our employees:

- Excellent problem-solving and analytical skills.
- Strong attention to detail and a commitment to delivering high-quality work.
- Effective communication and teamwork skills.
- Ability to learn quickly and adapt to new technologies and tools.
- Eagerness to contribute to a collaborative and innovative work environment.

### About the Role

- **Workflow Development:** Collaborate with senior developers to develop and revise workflows based on outlines made by analysts.
- **Testing and Quality Assurance:** Create automated unit tests for code to identify and resolve bugs and errors, and ensure code coverage requirements are met.
- **Coding and Scripting:** Write, test, and maintain code to support software applications and tools used in the organisation, with guidance from developers and analysts.
- **Process Optimization:** Evaluate existing workflows and processes to identify areas for improvement, efficiency gains, and automation opportunities.
- **Documentation:** Create and maintain detailed documentation for workflows, code, and processes.

- **Adherence to Standards:** Ensure that workflow development and coding practices adhere to industry best practices and company standards.
- **Training:** Stay updated on emerging technologies and industry trends to enhance your skills and knowledge.
- **Communication:** Meet regularly with co-workers to share knowledge and receive feedback, including project meetings and code reviews.

## About You

The ideal candidate will have the following skills and experience:

- Bachelor's degree in Computer Science, Software Engineering, Information Technology, or related field (or equivalent experience).
- Intermediate or greater knowledge of Python.
- Intermediate or greater knowledge of the Unix shell and command line tools.
- Intermediate or greater knowledge of version control using git and GitHub.
- Beginner or greater knowledge of workflow automation tools and platforms such as Nextflow or Snakemake.
- Bioinformatics experience is an asset.
- Experience with Docker or other containerization systems is an asset.
- Experience with Conda or other environment managers is an asset.
- Experience with cloud compute environments such as Google Cloud Platform is an asset.
- Knowledge of Java or Apache Groovy is an asset.
- Familiarity with Plotly, Dash, or other Python-based interactive visualisation tools is an asset.
- High-level proficiency in English reading, writing and presentations. French language skills are an asset.

## Equal Opportunity

We are an equal opportunity employer. All applicants will be considered regardless of race, colour, religion, sex, sexual orientation, gender identity, national origin, veteran or disability status.

## Eligibility Requirements

Qualified candidates will be considered from any country. Where appropriate, 5 Prime Sciences can sponsor a work visa.

Interested applicants should contact [admin@5primesciences.com](mailto:admin@5primesciences.com).