New Jersey Department of Environmental Protection
Notice of Vacancy

Filling of this position is contingent upon further approval process

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Title: Software Development Specialist 1

Posting Number: M&B-2024-29

Open to: Department-Wide

Work Week: 3E (35-hour) Work Week

Salary: (P21) $62,164.36 – $88,009.21

Opening Date: 10/22/2024

Closing Date: 11/6/2024

Existing Vacancies: One (1)

Program/Location
Department of Environmental Protection
Management & Budget
Information Technology
Bureau of Business Systems Development
401 East State Street
Trenton, NJ 08625

Scope of Eligibility: Open to permanent DEP employees who meet the requirements below.

Description: Under close supervision and monitoring in a state or local government agency, performs analysis, maintenance, programming and support work on modules of existing systems; may develop web applications or websites; does other related work.

Specific to the Position: The appointee will focus on the development and implementation of products and tools that leverage the latest advancements in AI; will assist in navigating NJDEP operations through a self-starting, proactive approach; will be involved in managing projects to evaluate, create and maintain AI-driven solutions tailored to NJDEP's unique needs as related to NJDEP's environmental information management systems; will be required to assist with AI product development and integration including design, development, and deployment of AI tools and applications that enhance NJDEP's operational efficiency and service delivery; will also be required to stay abreast of the latest AI technologies and integrate them into new and existing systems to maintain cutting-edge capabilities, train generative AI models on NJDEP data sets and structures, and manipulate generative AI environments using Python programming language.

Preferred Skill Set: Ability to perform tasks within project lifecycles from inception to completion, ensuring timely delivery within budget constraints, coordinate with cross-functional teams to align project goals with NJDEP objectives, and develop/maintain project documentation and reports. Broad knowledge of and experience in software development (Python preferred), with a strong focus on AI and machine learning. Proficiency in developing public-facing web applications. Excellent problem-solving skills.

Requirements

NOTE: Applicants must meet one of the following or a combination of both experience and education. Thirty (30) semester hour credits are equal to one (1) year of relevant experience.

Five (5) years of professional experience in programming, systems programming or computer analysis.

OR

Possession of a Bachelor's degree from an accredited college or university; and one (1) year of the above-mentioned professional experience.

OR

Possession of a Master's degree in an information technology field.

NOTE: "Professional experience" refers to work that is analytical, evaluative, and interpretive; requires a range of basic knowledge of the profession's concepts and practices; and is performed with the authority to act and make accurate and informed decisions.

NOTE: All U.S. degrees and transcripts must be from an accredited college or university. All foreign degrees and transcripts must be evaluated for accreditation by a recognized evaluation service by the closing date of this posting. Failure to provide documentation may result in ineligibility.

License: Appointees will be required to possess a driver's license valid in New Jersey only if the operation of a vehicle, rather than employee mobility, is necessary to perform essential duties of the position.

Residency: All persons newly hired on or after September 1, 2011 have one year from the date of employment to establish, and then maintain principal residence in the State of New Jersey subject to the provisions of N.J.S.A. 52:14-7 (L.2011, Chapter 70), also known as the "New Jersey First Act".

Authorization to Work: Selected candidates must be authorized to work in the United States per the Department of Homeland Security, United States Citizenship and Immigration Services regulations. **Note:** The State of New Jersey does not provide sponsorship for citizenship to the United States.

Veteran's Preference: To qualify for New Jersey Veteran's Preference/status, you must establish Veteran's Preference through the Department of Military and Veterans' Affairs. Please submit proof of your Veteran's Preference along with your resume as indicated below. For more information, please visit
https://www.nj.gov/military/veterans/services/civil-service-preference/

Note: Selected candidate(s) shall not be serving a working test period at the time of the appointment.

Submit Letter of Interest, Resume, Unofficial Transcripts (if college degree is required), and the
Personal Relationship Disclosure Statement by 4:00 p.m. on the closing date to:
    Talent Acquisition Team
    Division of Human Resources
    E-mail Address: DEP-HR-EXECUTIVE.Resumes@dep.nj.gov
    Please include the title and posting # of this Notice of Vacancy in the subject line of your e-mail.

Posting Authorized By:
    Phiroza Stoneback, Manager
    Division of Human Resources