



ADVANCED SCIENCE AND TECHNOLOGY INSTITUTE

PUBLICATION OF VACANT POSITION

POSITION	:	Project Technical Specialist I (Software Back-end Developer)
SALARY GRADE	:	SG 16
NO. OF POSITIONS AVAILABLE	:	1
LOCATION	:	Computer Software Division
JOB QUALIFICATION	:	N/A
Education	:	Bachelor's/College Degree of any IT related course such as Computer Science, Information Technology, etc.
Experience	:	1 year of relevant experience in web development or software development. Experience in AI pipeline development and design.
Training	:	4 hours of relevant training. Certifications in AI-related fields (Google TensorFlow Developer, AWS ML Specialty, Microsoft AI Engineer) are a plus.
Eligibility	:	None required
Other Requirements	:	<ul style="list-style-type: none">• Has good understanding of the generic Software Development Lifecycle stages and the processes under each stage• Skilled in object-oriented Web application programming in Python, Django, Flask• Knowledgeable in developing software applications in Microsoft Windows or Linux Operating System• Knowledgeable in SQL programming using PostgreSQL• Knowledgeable in using Python package management tools such as Anaconda• Skilled in integrating PostgreSQL with Django and Flask• Skilled in setting up NGINX web server and either Apache or Gunicorn application servers for development• Knowledgeable in using Git for versioning of source code• Knowledgeable in developing API applications using REST and JSON in Django

RESPONSIBILITIES:

Under the supervision of the Project Leader, HE/SHE shall perform the following:

- Install and configure local Django installation for back-end development
- Install and configure Anaconda Python package manager for Python back-end development
- Implement Django-based Web application back-end functionalities that will integrate with developed front-end solutions
- Implement Django-based API application endpoints
- Install and configure local installations of NGINX, Gunicorn, and PostgreSQL for integration with the back-end source code
- Perform unit tests for written back-end source code
- Collaborate with business analyst, front-end developer, and API designer in identifying back-end functionalities that need to be implemented
- Collaborate with the AI engineers in integrating the developed machine learning models into the API application

ASTI Bldg., U.P. Technology Park Complex, C.P. Garcia Ave., Diliman, Quezon City, Philippines 1101

• Website: www.asti.dost.gov.ph • E-mail: info@asti.dost.gov.ph • Tel. No.s: +632 927-2541, +632 927-3502, +632 426-9759, +632 426-9760
• Fax No.: +632 925-8598

- Collaborate with the system administrator in deploying the developed Django-based Web application and API application
- Develop technical documentation of written back-end source code for the Web application and API application
- Participate in regular Scrum stand-up meetings with the system development team to give status updates on assigned software development tasks
- Proactively collaborate with other team members in delivering the system requirements
- Report to work on time

APPLICATION:

Interested candidates are required to submit a detailed CV, a cover letter expressing interest and fit for the role, and copies of relevant publications or research papers. Applications should be directed to elmer@asti.dost.gov.ph, vanesa@asti.dost.gov.ph, daphne.padilla@asti.dost.gov.ph, cc careers@asti.dost.gov.ph by **2 July 2025** along with the following:

APPLICATION: <https://forms.office.com/r/K5QXVmZzGx>

1. Updated Personal Data Sheet;
2. Updated Curriculum Vitae;
3. Diploma and TOR;
4. Certificate/s of employment; and
5. Training certificate/s.

APPLICATION DEADLINE: 2 July 2025

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