Job Title:	Analyst Programmer (Non-Civil Service Post)

Salary:	$40,405 per month

Entry Requirements: Candidates should:

(1) have a Hong Kong degree in Computer Science, Information System or any other computer related subject, or equivalent.
AND

(2) have met the language proficiency requirements of Level 2 in Chinese Language and English Language in the HKCEE, or equivalent;
AND

(3) have at least 3 years' experience in the field of information technology, of which at least 1 year must be in similar nature of the present post.
AND

For Vacancy (1):

(1) Proficiency in web programming using Javascript, HTML5 or PHP; Experience in Geographic Information System programming; Experience in database and SQL; Experience in Linux system administration and shell scripting; Knowledge of software development using C or C++ or C# Python or JAVA programming will be an advantage.

(2) Technical Requirement – Mandatory
- JAP (12 months)
- GIS (12 months)
- SQL (12 months)
- PHP (12 months)

(3) Technical Requirement – Optional
- ULS (6 months)
- LIN (6 months)
- WEB (6 months)
- HT5 (6 months)

(4) Non-Technical Requirement – Mandatory
- PRM (6 months)
- STM (6 months)

For Vacancy (2):

(1) have good knowledge in developing software with Java (J2SE) on UNIX/Linux and Windows environments; developing database applications using SQL language; developing web-based application including HTML and XML.

(2) have knowledge and experience in the following technology will be an advantage: Mobile app development on iOS or Windows Universal platforms; GIS application development on mobile app; Database: MySQL; Scripting languages : PHP, UNIX shell script.

<u>For Vacancy (3)</u>:

(1) have good knowledge in developing software with Java (J2SE), Python on UNIX/Linux and Windows environments and UNIX shell script; Proficiency in Geographic Information Sytem (GIS) on web page; Experience in Linux system administration and shell scripting; developing web-based application including HTML and XML.

(2) have knowledge and experience in the following technology will be an advantage: Experience in database and SQL (MySQL); Scripting languages : PHP, C/C++, JavaScript, R programming.

(3) Technical Requirement – Mandatory
- JAV (12 months)
- GIS (12 months)
- ULS (6 months)
- HT5 (6 months)
- LIN (6 months)
- WEB (6 months)

(4) Technical Requirement – Optional
- SQL (12 months)
- PHP (12 months)
- JAP (12 months)

(5) Non-Technical Requirement – Mandatory
Specify No More Than Five Skill Code and Minimum Experience Required (in months)
Nil

Duties:

Vacancy (1): To provide IT support in the development of impact-based aviation weather service to support new AAHK Integrated Airport Centre

(i) Programming support for developing new IAC portal mainly for providing useful and updated information to the meteorologist to facilitate the delivery of weather briefings;

(ii) Test the portal system and implement it in the AAHK new IAC;

(iii) Developing new web pages with GeoTIFF images and adapting old web tools for the provision of services;

(iv) Programming support for software development for providing meteorological services to the Air Traffic Flow Management Centre (ATFMC) of CAD;

(v) Programming support in scientific project study and data analysis of weather impact assessment;

(vi) Establishing and managing network connections and interfaces between client and HKO systems;

(vii)   Oversee A7 information security control and management of data exchange with different clients;

(viii)   Providing nursing service, preparation of system documentation, provision of training and handover to HKO staff for developed software.

OR

Vacancy (2): To provide programming support in enhancing and maintaining MyObservatory on Windows 10 and Android platforms and to develop and maintain cloud infrasture for MyObservatory

(i)   Provide programming supports on the development and maintenance of backend infrastructure on cloud platform for "My Weather Observations" to be launched on the MyObservatory;

(ii)   Provide programming supports on the development and maintenance of monitoring portal of crowdsourced data;

(iii) Provide programming supports on the enhancement and maintenance of MyObservatory on Windows 10 platform;

(iv)   Provide programming supports on the enhancement of embargo app for Android with warning dashboard;

(v)   Provide nursing service and hand over to HKO staff.

OR

Vacancy (3): To develop and enhance the rainfall nowasting products using various meteorological observation data.   To enhance and optimize the computer software programs in the nowcasting system and develop system monitoring tools. To provide supports of the nowcast products for users, compile and update documentations of the nowcasting system.

(i)   enhance nowcast guidance and web-based display of localized / regional heavy rain;

(ii)   enhance SWIRLS QPE using data from rapid-scan radar and microwave link network;

(iii) develop lightning / severe thunderstorm nowcasts products to forecasters up to 2 hours ahead, and enhance location-specific nowcast products to public and special users;

(iv)   deploy new features of Com-SWIRLS to enhance SWIRLS operation and production applications and production applications and on-going research development;

(v)   develop satellite nowcasting products and NWC SAF using

Himawari-8/9, and Fengyun-4 / GEO-KOMPAT-2 data;

(vi) enhance the website of the RSMC for Nowcasting to incorporate new products and update information on activities;

(vii) develop the Git-based platform on Com-SWIRLS to resolve technical issues and implement new features;

(viii) provide technical support to users and co-developers of Com-SWIRLS; and

(ix) document processes and computer programs, conduct training and related handover activities to F3 staff.

Remark:
(i)   He/she may be required to work outside normal office hours.
(ii)   He/she may be work in an area the Hong Kong Aviation Meteorological Office.

Terms of Appointment: Successful candidates would be employed on non-civil service contract terms for 1 year.

Fringe Benefits: A gratuity may be granted upon satisfactory completion of the contract with consistently high standard of performance and conduct. Such gratuity, if granted, plus any contribution made by the Government to a Mandatory Provident Fund (MPF) scheme in respect of the appointee as required by the MPF Schemes Ordinance, will be equal to 15% of the total basic salary drawn during the contract period.

General Notes:

(1) Candidates should state clearly on the application form which vacancy they are applying for. If there is no indication, it is assumed that the candidates would like to apply for all of the vacant posts.

(2) Candidates must be permanent residents of the Hong Kong Special Administrative Region at the time of appointment unless specified otherwise.

(3) As an Equal Opportunities Employer, the Government is committed to eliminating discrimination in employment. The vacancy advertised is open to all applicants meeting the basic entry requirement irrespective of their disability, sex, marital status, pregnancy, age, family status, sexual orientation and race.

(4) Non-civil service vacancies are not posts on the civil service establishment. Candidates appointed are not on civil service terms of appointment and conditions of service. Candidates appointed are not

civil servants and will not be eligible for posting, promotion or transfer to any posts in the Civil Service.

(5) The entry pay, terms of appointment and conditions of service to be offered are subject to the provisions prevailing at the time the offer of appointment is made.

(6) Where a large number of candidates meet the specified entry requirements, the recruiting department may devise shortlisting criteria to select the better qualified candidates for further processing. In these circumstances, only shortlisted candidates will be invited to attend recruitment examination and/or interview.

(7) It is Government policy to place people with a disability in appropriate jobs wherever possible. If a disabled candidate meets the entry requirements, he/she will be invited to attend the selection interview/written examination without being subject to any further shortlisting criteria.

(8) Holders of academic qualifications other than those obtained from Hong Kong institutions/Hong Kong Examinations and Assessment Authority may also apply but their qualifications will be subject to assessments on equivalence with the required entry qualifications. They should submit copies of their official transcripts and certificates by mail to the below enquiry address.

How to apply:	Application Forms [G.F. 340 (Rev. 3/2013)] are obtainable from any Public Enquiry Service Centres of District Offices, Home Affairs Department or any Job Centres of the Employment Services Division, Labour Department. The said form can also be downloaded from the Civil Service Bureau's web site (http://www.csb.gov.hk). Application form should reach the following enquiry address on or before **27 January 2021** by hand or by post. Those who are not invited for interview may assume that their applications are unsuccessful.
Enquiry Address:	Personnel Registry, Hong Kong Observatory, 134A Nathan Road, Tsim Sha Tsui, Kowloon
Enquiry Telephone:	2926 8205
Enquiry Email:	personnel@hko.gov.hk