

# EXCITING CAREER OPPORTUNITY AT FAMILY BANK

## ICT C/C++ PROGRAMMER - ICT – IJA/PRG/29/8/2019

To support the growth strategy, we are looking for a dynamic, proactive professional with strong credential and relevant work experience to fill the following position: **ICT C/C++ Programmer**

**Reporting to: Software Engineer**

Liaises with the ICT Consultants, ICT Team and branch network.

### JOB PURPOSE

Design, code and implement computer programs for Family Bank; perform analysis and modification of existing programs and operations to meet the bank changing needs and to provide for system enhancements; write maintenance and user documentation to support programs; test and debug programs for accuracy and reliability; instruct program users in proper operation.

**Station:** Based at the Head Office.

### KEY RESPONSIBILITIES

- Confirms project requirements by reviewing program objective, input data, and output requirements with analyst, supervisor, and client.
- Arranges project requirements in programming sequence by analyzing requirements; preparing a work flow chart and diagram using knowledge of computer capabilities, subject matter, programming language, and logic.
- Codes project requirements
- Programs the computer by entering coded information.
- Confirms program operation by conducting tests; modifying program sequence and/or codes.
- Prepares reference for users by writing operating instructions.
- Maintains historical records by documenting program development and revisions.
- Maintains client confidence and protects operations by keeping information confidential.
- Ensures operation of equipment by following manufacturer's instructions; troubleshooting malfunctions; calling for repairs; evaluating new equipment and techniques.
- Maintains professional and technical knowledge by attending educational workshops; reviewing professional publications; establishing personal networks; participating in professional societies.
- Contributes to team effort by accomplishing related results as needed.
- Any other duties assigned to you by Software Engineer.

### COMPETENCE & ABILITY

- A C/C++ programmer with at least three years working experience. Extensive experience in Java programming in relevant areas will also be considered.
- Experience using rapid software development tools such as Visual Studio Wizards, Eclipse, etc. is required.
- Ideally the candidate has programmed on both Windows and Unix-like operating systems (e.g. Linux).
- Cross-compiler software development will be considered advantageous
- TCP/IP communication programming is required
- Experience in cryptography is highly desirable (programming experience in encryption/decryption using various ciphers.) Experience programming RSA, 3DES and AES in various modes will be advantageous. Experience with Open SSL programming libraries will be a definite plus.
- Experience in parallel processing using both threading as well as multiple-processes
- Inter-processor communication via shared memory

- Experience in the following areas will be considered a definite asset
- Smart-Card POS terminal software development
- Experience programming EMV and ISO 7816-4 APDUs to communicate with smart cards for VISA, MasterCard and/ or any other EMV compliant smart-card
- ISO 8583 messaging
- DirectFB programming experience
- OPOS POS printer development
- Experience with the following will also be advantageous
- Server-side programming on telephony architectures (PBXs, etc)
- Database programming
- Use of XML & JSON via libraries
- Nice to have: experience in the following will be considered an asset for ongoing R&D activities
- Use of Event logging libraries on Windows family of operating systems
- GSM/GPRS programming, preferably with SIM Toolkit

### Work Experience

It is highly desirable that the candidate has participated in all cycles of Software Development, from Design to Implementation, Maintenance (e.g. bug fixes), Enhancements to newer versions, Migrations between platforms, etc. Use of version control tools will be an added benefit.

Candidates are expected to be self-starters, capable of working independently without the need for regular supervision.

Note that the work environment will often require the successful candidate to work extra hours outside the standard 8:00am to 5:00pm work hours, as dictated by factors such as deadlines for business presentations and volume of business demands.

***Please note that any CV's that do not demonstrate how the above requirements have been used in a software project will not be considered***

### PERSONAL ATTRIBUTES

- Results oriented with excellent communication and social skills.
- A forward planner with clear focus, mature, reliable, hardworking and able to work without supervision.
- High integrity, reliable, outgoing and hardworking
- Strong Interpersonal Skills

All applicants **MUST** apply via [https://jobapplication.familybank.co.ke:5258/jobs/applicants/TakeTest\\_C\\_Programmer.html](https://jobapplication.familybank.co.ke:5258/jobs/applicants/TakeTest_C_Programmer.html) closing date is **18th September, 2019**. Only shortlisted candidates will be contacted. **"We are an equal opportunity employer"**