



STATE OF NORTH CAROLINA  
invites applications for the position of:

# Senior Systems Programmer

**JOB CLASS TITLE:** Operating Systems Software Progrmer II

**POSITION NUMBER:** 60011205

**DEPARTMENT:** Dept of Public Safety

**DIVISION/SECTION:** SBI/Information Technology

**SALARY RANGE:** \$82,485.00 - \$133,937.00 Annually

**RECRUITMENT RANGE:** \$82,485.00 - \$115,000.00

**SALARY GRADE / SALARY GRADE EQUIVALENT:** IT09

**COMPETENCY LEVEL:** Not Applicable

**APPOINTMENT TYPE:** Permanent Full-Time

**WORK LOCATION:** Wake County

**OPENING DATE:** 01/06/20

**CLOSING DATE:** 01/24/20 5:00 PM Eastern Time

**DESCRIPTION OF WORK:**

**Salary Grade: IT09**

**Recruitment Range: \$82,485.00 - \$115,000.00**

The North Carolina State Bureau of Investigation (SBI) is seeking a highly qualified information technology professional who will be primarily responsible for the installation, configuration, operation, monitoring, maintenance, programming, and technical support of North Carolina's Law Enforcement Message Switch (LEMS), which is the hub for accessing law enforcement information throughout NC. It is a full-time position (40 hours per week) with state benefits including retirement, health insurance, vacation leave, sick leave, and paid holidays. **This position is oncall 24x7 for two out of every four weeks.**

Serving as the technical lead, the scope of this work encompasses varied information exchange methodologies between the Unisys LEMS/JX product upon which LEMS is built and all of the following: client devices, Metro systems (such as county and city dispatch, records management, and 911 systems), SBI database systems, other NC criminal justice agency database systems, NC DMV systems, FBI's National Crime Information Center (NCIC), and The International Justice and Public Safety Network (Nlets). This individual will also be responsible for installation, configuration, and administration of IBM WebSphere MQ servers and Microsoft BizTalk servers and applications interfacing with LEMS.

Typical work activities include the following:

- Perform routine operational tasks, monitoring and responding to support requests and system alerts, and problem determination and resolution for SBI's Law Enforcement Message Switch (LEMS), IBM WebSphere MQ implementations, Microsoft BizTalk, and FTP servers on 24x7x365 basis, including coordination with IT owners of interfacing systems in

local, state, and federal agencies.

- Install Unisys LEMS/JX, its components, and IBM WebSphere MQ. Keep informed of product roadmaps for LEMS/JX, BizTalk, and WebSphere MQ as well as updates/patches, and provide this information to management and other SBI IT staff working with these products. Analyze the impact of server patches and upgrades in LEMS/JX, BizTalk, and WebSphere MQ and supporting operating system and database software and plan and implement such patches and upgrades.
- Communicate and coordinate effectively with users, other SBI IT stakeholders, IT stakeholders from other local, state, and federal agencies, and technology vendors for new and existing LEMS interfaces to assess needs, define interface functionality, and complete implementations. Define technical solutions for LEMS interfaces, including component definitions, task definitions, estimates of effort, skills required, and hardware/software requirements and make associated recommendations to supervisor. Plan, guide, monitor, and ensure the quality of the work of other developers assigned to work on LEMS.
- Perform analysis, design, configuration, programming, testing, and implementation in the creation, enhancement, and maintenance of interfaces between SBI's LEMS and other SBI, state agency, federal, and international criminal justice and public safety systems.

#### **KNOWLEDGE, SKILLS AND ABILITIES / COMPETENCIES:**

**Listed below are the knowledge, skills and abilities (KSA's) associated with this position. These KSA's, along with the minimum education and experience listed, are required in order to be deemed "eligible" for the position. Therefore, you must demonstrate or provide supporting information within the body of your application to demonstrate your possession of each KSA listed.**

- Knowledge of and experience with at least one Microsoft enterprise application delivery technology.
- Knowledge of and experience in C# and SQL programming languages.
- Demonstrated skill in development and deployment of secure web services.
- Knowledge of and experience with Microsoft .Net Framework, XML, XPath, XSLT, Microsoft PowerShell and/or Perl.
- Demonstrated ability to develop and use appropriate systems quality assurance and configuration management protocols.
- Demonstrated ability to define, plan, and manage projects as a technical lead that have high impact and complexity, involving significant changes to infrastructure or the implementation of emerging technologies.

Applicant must be a US Citizen due to security requirements for SBI systems to which the person in this position must have access.

***Selected candidates will undergo and must successfully complete a comprehensive background investigation which includes: pre-employment polygraph examination; credit and arrest checks; interviews with associates, personal and business references; verification interviews of employers; verification of education achievement; urinalysis drug screening; and submission of fingerprints.***

#### **MINIMUM EDUCATION AND EXPERIENCE REQUIREMENTS:**

Bachelor's degree in computer science, computer engineering, or a closely related field from an appropriately accredited institution and four years of progressive experience in systems software programming; or an equivalent combination of education and experience.

#### **SUPPLEMENTAL AND CONTACT INFORMATION:**

The State Bureau of Investigation is an Equal Opportunity Employer. The SBI uses the Merit-Based Recruitment and Selection Policy to fill positions subject to the State Human Resources Act with the most qualified individuals. Hiring salary will be based on relevant qualifications, internal equity and budgetary considerations pertinent to the advertised position.

- Online applications are only accepted through <http://www.oshr.nc.gov/jobs/>
- **To receive credit for all of your work history and credentials, you must list the information on the State of North Carolina application. Any information omitted**

cannot be considered for qualifying credit. Resumes will not be accepted in lieu of the state application.

- **The Knowledge, Skills and Abilities AND the Minimum Education and Experience are REQUIRED in order to be considered qualified for the position. Therefore, you MUST provide supporting information within the body of the application that clearly demonstrates your possession of the KSA's and the Education/Experience requirements. SBI will NOT accept "see attached resume" in lieu of education and work experience completed on the application.**
- Degrees must be received from appropriately accredited institutions.
- Applicants seeking Veteran's Preference must attach a DD form 214, Certificate of Release or Discharge from Active Duty, along with your application.
- During the online application process, if additional documentation is required, attach the documentation at the bottom of Step 4 in the application process. If applying for a position certified through the North Carolina Department of Justice - Criminal Justice Education and Training Standards Division, refer to <https://ncdoj.gov/law-enforcement-training/criminal-justice/> for specific certification requirements.
- The State Bureau of Investigation must adhere to the United States Department of Justice Final Rule on the "National Standards to Prevent, Detect, and Respond to Prison Rape" under the Prison Rape Elimination Act (PREA) Standards at 28 C.F.R. Part 115 Docket No. OAG-131 RIN 1105-AB34. Refer to <http://www.ncdps.gov/document/prea-hiring-and-promotion-prohibitions> for hiring and promotion prohibition requirements for all positions in the SBI.

**Due to the volume of applications received, we are unable to provide information regarding the status of your application over the phone.** You can check the status of the application by logging into your account at [www.oshr.nc.gov](http://www.oshr.nc.gov) and clicking **"Application Status."**

For technical assistance with completing the application please contact our applicant customer support line at 855-524-5627. **If there are any questions specific to this posting, please contact SBI Human Resources at 919-662-4500.**

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APPLICATIONS MAY BE FILED ONLINE AT:  
<http://www.oshr.nc.gov/jobs/index.html>

Position #19-12388  
SENIOR SYSTEMS PROGRAMMER  
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NOTE: Apply to the department listed on posting  
An Equal Opportunity Employer, NC State Government

[noreply@nc.gov](mailto:noreply@nc.gov)

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### Senior Systems Programmer Supplemental Questionnaire

- \* 1. Are you a U.S. Citizen?  
 Yes    No
- \* 2. What is your highest level of education?  
 Did not graduate from high school or receive GED  
 Graduated from high school or completed GED  
 Received an Associate's degree  
 Received a Bachelor's degree or higher  
 Other – Please provide information in the Education Section of the application
- \* 3. How many years of experience in systems software programming do you have? (This experience must be clearly documented on your application to receive credit.)  
 None  
 Less than 4 years

- 4 years or more
- \* 4. Do you have knowledge of and experience with at least one Microsoft enterprise application delivery technology?  
 Yes    No
- \* 5. If you answered yes to question 4, please briefly explain your knowledge of and experience with any Microsoft enterprise application delivery technology.
- \* 6. Do you have knowledge of and experience with C# and SQL programming languages?  
 Yes    No
- \* 7. If you answered yes to question 6, please briefly explain your knowledge of and experience with C# and SQL programming languages.
- \* 8. Do you have experience in development and deployment of secure web services?  
 Yes    No
- \* 9. If you answered yes to question 8, please briefly describe your experience in development and deployment of secure web services.
- \* 10. Which of the following do you have experience with? For each item that is checked, this experience/knowledge MUST be clearly documented on the application.
  - Microsoft .Net Framework
  - XML
  - XPath
  - XSLT
  - Microsoft PowerShell
  - Perl
  - None of the above
- \* 11. In order to receive credit for the supplemental questions that you answered, you must provide supporting information within the body of the application to validate your answers. Your application should also reflect all education, work experience, and certifications/licenses obtained. Work experience must clearly demonstrate that you possess the Knowledge, Skills and Abilities AND the Minimum Education and Experience requirements listed on the job posting. Please remember to include all relevant training, knowledge, experience, education, and certifications on the application. If you did not do so, please go back and do so before submitting your application. Is your application complete?  
 Yes    No

\* Required Question