

**IT STAFFING SERVICES SOLICITATION UNDER
DEPARTMENT OF INFORMATION RESOURCES
IT STAFF AUGMENTATION CONTRACT (ITSAC)
RFO DIR-CPO-TMP-445**

Solicitation Reference Number: 5371ITC822	Working Title: Software Developer / Solutions Architect-	Title/Level: Software Developer 3
Category: Applications/Software Development	Full Time	

I. DESCRIPTION OF SERVICES

All work regarding this project includes all activities necessary to support the successful completion of all deliverables required within the Department of State Health Services (DSHS) Public Health Application (PHA) services for IT Infrastructure Services and IT System Services for the redesign of the Texas Health Safety Network (TxHSN) system. DSHS had originally planned to update the current Maven based reporting system, however, due to ongoing quality issues with the system, DSHS will need to develop and implement a replacement system that meets new business requirements for the program. The replacement system will allow DSHS to improve reporting and tracking of Health Associated Infections (HAI's) and enhance infection prevention activities that may prevent transmission of communicable diseases such as COVID-19 in healthcare facilities. The new system will also be augmented to track infection control assessment and response activities in response to COVID-19 pandemic or other infection prevention emergencies.

Duties:

- Build, implement and maintain software solutions/products to meet business needs utilizing industry standard tools and Agile methodology best practices.
 - Develops analysis and design strategies, testing strategies, technical designs.
 - Work with infrastructure teams to setup continuous deployment (CI/CD pipelines) and delivery models.
 - Code with Test-driven-development, clean code practices and design patterns.
 - Code with event driven architecture and micro services-oriented architecture.
 - Assist in the development of user stories, estimates, and work plans.
 - Prepare reports, manuals and other documentation on the status, operation, and maintenance of software.
 - Writes documentation to describe program development, logic, coding, and corrections. Writes manual for users to describe installation and operating procedures.
 - Assists users to solve operating problems and defects.
 - Applies Object oriented programming principles, Single responsibility, Open-closed, Liskov substitution, Dependency inversion (SOLID) principles during development.
 - Applies domain-driven design principles to development.
 - Applies test driven development approach for development and focuses on high test coverage.
 - Able to work both in team and independently with minimal guidance.
 - Finds ways to improve solutions, systems, and processes.
 - Helps in building and maintaining continuous integration and continuous deployment (CI/CD) infrastructure.
- Develops designs and oversees the implementation of .Net applications and REST services with SQL back end. Establishes software best practices, designs and analyzes requirements and specifications and develops production migration procedures. Provides specifications for the acquisition of tools as required.
 - Works with application development team to solve technical challenges with industry best practices.

- Takes accountability and drives project to the completion
- Develops and maintains precise system documentation, guidelines and presentations for management review.
- Initiates and creates enterprise strategies and plans for systems administration and security. Prepares and maintains storage management plans, including routine backups, long-term archives, and disaster recovery support. Collaborates in the development and deployment of the Disaster Recovery Plan.
- Analyzes enterprise system performance. Develops and implements system performance improvements.
- Participates in development activities including code reviews, as well as coding and testing of new enhancements.

II. CANDIDATE SKILLS AND QUALIFICATIONS

Minimum Requirements: Candidates that do not meet or exceed the minimum stated requirements (skills/experience) will be displayed to customers but may not be chosen for this opportunity.		
Years	Required/Preferred	Experience
10	Required	Plans, develops, and tests programs, applying knowledge of programming techniques and computer systems. Formulates plan outlining steps to develop programs, using techniques s tructured analysis and design or object-oriented developmen t.
10	Required	Convert project requirements, using industry-standard object -oriented tools. Generates code into sequenced detailed instr uctions for coding languages processable by computer. Appli ed knowledge of computer programming techniques and lan guages.
10	Required	Converts project requirements, problem statements and proc edures. Analyses data to create or modify programs. Prepare detailed requirements. Enters program code, input test data, corrects program errors, modifies sequence and provides do cumentation.
10	Required	Experience with Enterprise software development to include 2 years of experience working in an architecture capacity wit hin an enterprise development organization.
10	Required	Developing using MS Visual Studio C#, .Net, Asp.Net, Asp.N et Web API
10	Required	HTML, CSS LESS, Bootstrap
10	Required	NET Core, ASP.Net Core

6	Required	Knowledge and Experience working with a scrum team in an agile environment to deliver software release sprints for HHS C, on time, with a focus on quality.
5	Required	Angular 2+, typescript, Angular JS, JQuery
5	Required	SQL Server and Database Design, Create Stored Procedures, SSIS
5	Required	Broad knowledge and experience of Microsoft technology, frameworks, solution architecture, and tools. (i.e. Microsoft Azure).
3	Required	Possess hands-on knowledge of EIR Accessibility, required technical specifications (US Section 508 and WCAG2.0), and tools used to code / validate for EIR Accessibility. Integrates EIR criteria into planning, design, development, and test phases.
2	Required	DevOps
2	Required	Scalable application architectures
10	Preferred	Years of experience with Enterprise software development to include 2 years of experience working in architecture capacity within an enterprise development organization.
8	Preferred	Develops designs and oversees the implementation of .Net applications and REST services with SQL back end.
8	Preferred	The primary responsibility of the Application Architect is to provide the overall technology guidance and structure for creating and maintaining the .Net web applications and REST services.
1	Preferred	Experience with public health information systems and software applications
1	Preferred	Participation in Information Technology projects implementing commercial health registry applications

III. TERMS OF SERVICE

Services are expected to start **12/18/2020** and are expected to complete by **08/31/2021**. Total estimated hours per Candidate shall not exceed **1520** hours. This service may be amended, renewed, and/or extended providing both parties agree to do so in writing.

IV. WORK HOURS AND LOCATION

Services shall be provided during normal business hours unless otherwise coordinated through the **Texas Health and Human Services Commission**. Normal business hours are Monday through Friday from **8:00 AM to 5:00 PM**, excluding State holidays when the agency is closed.

The primary work location(s) will be at **1100 West 49th Street, Austin, TX 78751**. Any and all travel, per diem, parking, and/or living expenses shall be at the Candidate's and/or Vendor's expense. **Texas Health**

and Human Services Commission will provide pre-approved, written authorization for travel for any services to be performed away from the primary work location(s). Pre-approved travel expenses are limited to the rates and comply with the rules prescribed by the State of Texas for travel by its classified employees, including any requirement for original receipts.

The Candidate(s) may be required to work outside the normal business hours on weekends, evenings and holidays, as requested. Payment for work over 40 hours will be at the hourly rate quoted and must be coordinated and pre-approved through **Texas Health and Human Services Commission**.

V. OTHER SPECIAL REQUIREMENTS

Other Special Requirements (Optional): Due to the nature of the information handled in this position, all entities must sign a Data Use Agreement as a condition of employment.

CANDIDATE REFERENCE

Solicitation Number: 5371ITC822	Title/Level: Software Developer 3
Candidate Name:	Category: Applications/Software Development

Reference Name (Required): _____
Title: _____
Company Name (Required): _____

Phone Number (Required include area code): _____

E-mail Address: _____

Professional Relationship:

 Peer
 Customer Co-Worker
 End-User Supervisor
 Subordinate

Reference Name (Required): _____
Title: _____
Company Name (Required): _____

Phone Number (Required include area code): _____

E-mail Address: _____

Professional Relationship:

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Reference Name (Required): _____
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Company Name (Required): _____

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Professional Relationship:

 Peer
 Customer Co-Worker
 End-User Supervisor
 Subordinate

NOTE: ONLY INCLUDE THE INFORMATION REQUESTED ON THIS FORM. DO NOT INCLUDE ADDITIONAL INFORMATION.

CANDIDATE QUALIFICATIONS

Solicitation Number: 5371ITC822	Title/Level: Software Developer 3
Candidate Name:	Category: Applications/Software Development

Minimum Requirements: Candidates that do not meet or exceed the **minimum** stated requirements (skills/experience) will be displayed to customers but may not be chosen for this opportunity.

Actual Years Experience	Years Experience Needed	Required/ Preferred	Skills/Experience
	10	Required	Plans, develops, and tests programs, applying knowledge of programming techniques and computer systems. Formulates plan outlining steps to develop programs, using techniques structured analysis and design or object-oriented development.
	10	Required	Convert project requirements, using industry-standard object-oriented tools. Generates code into sequenced detailed instructions for coding languages processable by computer. Applied knowledge of computer programming techniques and languages.
	10	Required	Converts project requirements, problem statements and procedures. Analyses data to create or modify programs. Prepare detailed requirements. Enters program code, input test data, corrects program errors, modifies sequence and provides documentation.
	10	Required	Experience with Enterprise software development to include 2 years of experience working in an architecture capacity within an enterprise development organization.
	10	Required	Developing using MS Visual Studio C#, .Net, Asp.Net, Asp.Net Web API
	10	Required	HTML, CSS LESS, Bootstrap
	10	Required	NET Core, ASP.Net Core
	6	Required	Knowledge and Experience working with a scrum team in an agile environment to deliver software release sprints for HHSC, on time, with a focus on quality
	5	Required	Angular 2+, typescript, Angular JS, JQuery

	5	Required	SQL Server and Database Design, Create Stored Procedures, SSIS
	5	Required	Broad knowledge and experience of Microsoft technology, frameworks, solution architecture, and tools. (i.e. Microsoft Azure).
	3	Required	Possess hands-on knowledge of EIR Accessibility, required technical specifications (US Section 508 and WCAG2.0), and tools used to code / validate for EIR Accessibility. Integrates EIR criteria into planning, design, development, and test phases.
	2	Required	DevOps
	2	Required	Scalable application architectures
	10	Preferred	Years of experience with Enterprise software development to include 2 years of experience working in a architecture capacity within an enterprise development organization.
	8	Preferred	Develops designs and oversees the implementation of .Net applications and REST services with SQL back end.
	8	Preferred	The primary responsibility of the Application Architect is to provide the overall technology guidance and structure for creating and maintaining the .Net web applications and REST services.
	1	Preferred	Experience with public health information systems and software applications
	1	Preferred	Participation in Information Technology projects implementing commercial health registry applications

CANDIDATE ACKNOWLEDGEMENT

RFO: 445 Solicitation Number: 5371ITC822	Title/Level: Software Developer 3
Candidate Name:	Category: Applications/Software Development

I hereby authorize **EKHP Consulting LLC** to submit my resume in response to Solicitation 5371ITC822 for **Texas Health and Human Services Commission**.

I understand that submission of my resume by multiple vendors may result in my disqualification from this opportunity. Customers reserve the right to hire a candidate submitted by multiple vendors.

Worker signature: _____

Date: _____