It Solution Architect

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Company: City Of New York

Location: Australia

Category: other-general

The New York City Department of Transportation's (NYC DOT) provides safe, efficient, and environmentally responsible movement of pedestrians, goods, and vehicular traffic on the streets, highways, bridges, and waterways of the City's transportation network. NYC DOT rehabilitates and maintains the City's infrastructure, including bridges, tunnels, streets, sidewalks, and highways.

The NYC DOT IT & Telecom division is an award-winning team leading business transformation through technology innovation to enhance the agency's ability in fulfilling its mission. IT & Telecom acts as a strategic partner with all business units to promote technology initiatives by delivering quality service, and secure solutions that provide new and improved capabilities for the Agency. We work hard to embrace diversity and inclusion and encourage everyone in the division to bring their authentic selves to work every day.

We offer our full-time employee's competitive salaries, excellent benefit options and perks that include:

-Pension and Retirement Plans- Upon retirement, qualified members of the City's generous pension program receive a guaranteed salary and health benefits for the rest of their lives. There are also 401K and 457 plans available to supplement your retirement needs.

-Health Coverage- We offer health coverage to meet your needs and your family.

-Dental and Vision Coverage- We offer a wide variety of excellent civil service title-based union dental and vision coverage to meet the needs of you and your family.

-Paid Time Off- We offer paid vacation and sick time off which accrues over time based on your years of service.

-Professional Development - We offer numerous training programs, leadership development opportunities, and career coaching services, while encouraging employees to attend approved off and on-site trainings and seminars.

-Additional Perks - Our employees are eligible for discounts on top theme parks, hotels, shows, events, movies and more.

IT & T division is seeking for a IT Solution Architect to be a member of our Project Management Office (PMO) Team. The selected candidate will perform technical design, development, API integrations, defining application architecture, evaluating application stacks, providing support for production applications, and maintaining web applications. The candidate will be expected to develop and deliver quality applications, estimate the timing and effort of development tasks, help the Team improve development and deployment practices, interface directly with customers, create documentation, and mentor developers.

Major Responsibilities:

-Led a team of developers to create and deploy a citywide application to a critical city industry while aligning with DOT IT architecture guidelines.

-Ability to cooperate with various Teams and achieve results working closely with business analysts, subject matter experts, and development teams in the design, development, testing, implementation, and support of application projects.

-Collaborate with peers to design the best solution using the .Net framework and Microsoft tech stack.

-Understand high-level application architecture/design, network design, performance constraints, and security frameworks.

-Perform detailed application design, database design, coding, and unit/ integration/ performance testing.

-Take inputs from reporting manager(s) and appropriately apply comments/ feedback.

-Proactively initiate, develop, and maintain effective working relationships with team members.

-Create/update design artifacts and deliverables such as use case diagrams, application architecture, class/sequence diagrams, and high-level/detailed design documentation.

-Work in full-stack development involving Microsoft.NET and SQL Server technologies for web, web service, and desktop application development using C#.NET, .NET Core, ASP.NET, ADO.NET, HTML 5, AJAX, WPF, WCF, MVC, jQuery, React, Entity Framework, LINQ, Visual Studio 2017/2019

-Participate in the full development of Application Lifecycle Management (ALM) using Git/Microsoft Azure DevOps/Jira.

-Understand requirements and transform them into functional applications in line with business objectives.

-Design, prepare detailed technical specifications, develop, and maintain mission-critical systems, and API integrations, implement web services, and create consumer-facing web applications.

-Implement design patterns Singleton, MVC, etc.) and follow design principles.

-Work and offer technical support for web, mobile, and desktop applications.

-Accountable for both front-end and back-end technologies in a web production environment.

-Perform/manage relational database design, normalization, and T-SQL/stored procedures with SQL Server and generate reports using Microsoft SQL Reporting Services (SSRS), Ad-hoc reporting, and data migration/transformation using SSIS packages.

-Test, monitor, and improve solutions through incremental updates/new features/optimization.

-Rewrite/make changes in existing code structure to increase efficiency and performance.

-Innovate and build high-quality software solutions leveraging the versatility of the .NET platform.

-Implement best practices and methodologies for security, quality, and development approach.

-Create/update design artifacts and deliverables such as use case diagrams, application architecture, class/sequence diagrams, and high-level/detailed design documentation.

-Accurately estimate the time required to complete development tasks and collaborate with diverse teams.

-Ability to learn new technologies and constantly influence the Team and leadership to implement modern solutions.

-Act as a mentor to junior developers and guide best practices, development processes, and software design.

Minimum Qualifications

1. A baccalaureate degree from an accredited college in computer science, information systems,

engineering, mathematics or related field and six years of satisfactory full-time experience related to enterprise architecture, solutions architecture, network architecture and/or IT infrastructure systems; or

2. A baccalaureate degree from an accredited college and ten years of satisfactory full-time experience related to enterprise architecture, solutions architecture, network architecture and/or IT infrastructure systems; or

3. Education and/or experience which is equivalent to 1 or 2 above.

Preferred Skills

-8+ years of experience in object-oriented design, development, testing, and deployment of mission-critical business applications.-6+ years of hands-on full-stack development experience using modern development tools and practices such as MVC, Angular, Web API, Microservices, Webservices, C#, HTML, HTML5, CSS3, JavaScript, Entity Framework, AngularJS, ASP.NET, .NET Core, GitHub, SQL, software development life cycle (SDLC), software release management.-6+ years of Application development using Design Patterns, MVC, Bootstrap, React, Angular Js, JavaScript, CSS, jQuery, JSON, and XML.-6+ years of relational database design, normalization, T-SQL, stored procedures, SQL Server 2017/2019, SSIS packages, SSRS Reporting, data modeling tools proficiency in data analysis and ad-hoc reporting using T-SQL, SQL Server, and Microsoft Excel.-Experience integrating map-based development and GIS mapping software with ESRI ArcGIS Desktop and ArcGIS Online.-Experience with design patterns (Singleton, MVC, etc.)-Explore new ideas and initiatives that encourage innovation. -Technically proficient in more than one language and platform.-Good analytical and communication skills.-Microsoft Developer certification.

Public Service Loan Forgiveness

As a prospective employee of the City of New York, you may be eligible for federal loan forgiveness programs and state repayment assistance programs. For more information, please visit the U.S. Department of Education's website at Requirement

New York City Residency is not required for this position

Additional Information

The City of New York is an inclusive equal opportunity employer committed to recruiting and retaining a diverse workforce and providing a work environment that is free from discrimination and harassment based upon any legally protected status or protected characteristic, including but not limited to an individual's sex, race, color, ethnicity, national origin, age, religion, disability, sexual orientation, veteran status, gender identity, or pregnancy.

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