



MAINE TURNPIKE AUTHORITY Job Description

Job Title: Application Developer
Pay Range: Professional/Technical 18
Reports To: Manager of Application Development

Department: Information Services
FLSA Status: Exempt

Summary

The Application Developer is a professional responsible for designing and coding functional software applications as assigned by the Maine Turnpike Authority's Systems Architect. Responsibilities include collaboration with the Information Services Team to set specifications, write high-quality code, conduct testing, and troubleshoot applications.

Essential Job Functions

These functions reflect management's assignment of essential duties; it does not prescribe or restrict all the tasks that may be assigned.

- Analyzes current operational procedures, identifies problems and learns specific input and output requirements such as forms of data input, how data is to be summarized, and formats for reports.
- Efficiently creates software applications in a client/server, mobile, or web environment based on specifications received.
- Thoroughly tests and audits programs prior to placing in a production environment.
- Fully utilize all relational database functions and concepts.
- Prepares workflow diagrams to specify in detail operations to be performed by software applications as requested.
- Plans and prepares technical reports, memoranda, and instructional manuals as necessary to meet documentation standards.
- Upgrades software applications and corrects errors to maintain computer applications after implementation.
- Works with other IS application developers in all aspects of the development and implementation of applications.

To perform this job successfully, an individual must be able to perform each essential function satisfactorily. Reasonable accommodations under applicable law may be made to enable qualified individuals to perform these essential functions.

Position Qualifications

- Bachelor's degree (BA) from four-year college or university in computer sciences; Additional professional work beyond minimum required may be substituted on a year-for-year basis for education requirement.
- 3+ years' recent relevant training and/or experience (including applied programming experience) in a highly complex business environment.
- Demonstrated experience in the implementation of client/server software systems.
- Ability to read, analyze, and interpret general business periodicals, professional journals, technical procedures, and governmental regulations.
- Ability to write reports, business correspondence, and procedure manuals.
- Ability to effectively present information and respond to questions from groups of managers, employees, and business partners.
- Ability to apply advanced mathematical concepts such as exponents, logarithms, quadratic equations, and permutations; to apply mathematical operations to such tasks as frequency distribution, determination of test reliability and validity, analysis of variance, correlation techniques, sampling theory, and factor analysis.
- Ability to define problems, collect data, establish facts, and draw valid conclusions and to interpret an extensive variety of technical instructions in mathematical or diagrammatic form and deal with several abstract and concrete variables.



Working Conditions/Physical Demands

- Ability to work for long periods sitting at a desk in front of a computer and the ability to focus.
- Requires close and distance visual acuity and ability to adjust focus quickly.
- Must be able to lift and move up to 50 pounds at times.
- Often required to stand, walk, and use hands to operate the keyboard of a personal computer and other office equipment.
- Professional office work environment with occasional travel to other work sites where there may be exposure to outside weather conditions and/or locales with mechanical equipment that may emit fumes.
- Normal hours of work are eight (8) hours per day, forty (40) hours per week, Monday to Friday; may be subject to working some non-routine hours.
- Must be available to come in early or work late on occasion, including weekends.
- Ability travel to different MTA sites.