THE TECHNICAL SURVEY

2020 BENCHMARK POSITIONS

► **View Survey Position Descriptions (click here)** ◄

MANAGEMENT/PROJECT MANAGEMENT
Information/Technical Systems Executive
Information & Technology Infrastructure Executive
Director of Project Management Officer
Engineering Executive
Engineering Practice Director
Chief Technology Officer (CTO)
Senior Project/Technical Director
Project/Technical Director
Senior Project/Department Manager
Project Manager
Team/Project Leader 2
Team/Project Leader 1
Project Administrator 3
Project Administrator 2
Project Administrator 1
Technical Area Manager
Field Operations Manager

TECHNOLOGY SOLUTIONS
Technology Solutions Architect 3
Technology Solutions Architect 2
Technology Solutions Architect 1
Cloud Computing Architect
Technology Solutions Analyst 2
Technology Solutions Analyst 1

SYSTEMS DEVELOPMENT
Systems Architect 3
Systems Architect 2
Systems Architect 1
Systems Analyst 3
Systems Analyst 2 (Programmer Analyst)
Systems Analyst 1 (Programmer)
SharePoint Analyst
Reporting Analyst
Automated Testing Developer

TECHNICAL SUPPORT
Technical Support Manager
Technical Support 4
Technical Support 3
Technical Support 2
Technical Support 1
Systems Administrator 3
Systems Administrator 2
Systems Administrator 1
UNIX Systems Administrator

SOFTWARE DEVELOPMENT
Software Development Manager
Software Development Consultant
Software Developer 5
Software Developer 4
Software Developer 3
Software Developer 2
Software Developer 1
Manager, Software Systems Implementation Team
Software Test Team Lead
Software Test Analyst 3
Software Test Analyst 2
Software Test Analyst 1
Software Application Support Analyst
DevOps Engineer

MOBILE APPLICATIONS
Mobile Applications Architect
Sr. Mobile Applications Developer
Mobile Applications Developer

SOFTWARE ENGINEERS
Software Engineering Manager
Software Engineering Consultant
Software Engineer 5
Software Engineer 4
Software Engineer 3
Software Engineer 2
Software Engineer 1

HARDWARE ENGINEERS
Hardware Engineering Manager
Hardware Engineering Consultant
Hardware Engineer 5
Hardware Engineer 4
Hardware Engineer 3
Hardware Engineer 2
Hardware Engineer 1
Reliability Engineer

DRAFTING DESIGNERS
Drafting / BIM Designer Manager
Drafting / BIM Designer Supervisor
Drafting / BIM Designer 3
Drafting / BIM Designer 2
Drafting / BIM Designer 1
Design Technology Specialist 2
Design Technology Specialist 1

BUSINESS SOLUTIONS
Business Solutions Manager
Business Development Consultant 2
Business Development Consultant 1
Business Solutions Architect 2
Business Solutions Architect 1
Business Analyst 3
Business Analyst 2
Business Analyst 1
Client Services Manager
Client Services Coordinator
Vendor Management Manager
Vendor Management Analyst
Proposal Manager
Proposal Specialist
Marketing Proposal Coordinator
Agile Scrum Master
Product Development Manager
Product Owner

BUSINESS PROCESS ANALYSIS
Business Process Manager
Business Process Analyst 3
Business Process Analyst 2
Business Process Analyst 1

INTEGRATED SYSTEMS (ERP)
Integrated Systems (ERP) Manager
ERP Configuration/Application 4
ERP Configuration/Application 3
ERP Configuration/Application 2
ERP Configuration/Application 1
ERP Administrator
ERP Software Development and Deployment 4
ERP Software Development and Deployment 3
ERP Software Development and Deployment 2
ERP Software Development and Deployment 1
ERP Software Development and Deployment 1A
Technical Writer 3
Technical Writer 2
Technical Writer 1
Technical Trainer 2
Technical Trainer 1

ARTIFICIAL INTELLIGENCE (NEW)
Machine Learning Developer
Robotics Scientist
Robotics Engineer

NETWORKS

Networks Infrastructure Manager
Network Specialist 3
Network Specialist 2
Network Specialist 1
Network Analyst 2
Network Analyst 1
Middleware Architect
Middleware Analyst

WEB SYSTEMS & APPLICATIONS

Web Applications Technical Manager
Web Systems Analyst 3
Web Systems Analyst 2
Web Systems Analyst 1
Web Applications Architect 2
Web Applications Architect 1
Web Applications Developer 2
Web Applications Developer 1
User Experience Designer 2 (UX)
User Experience Designer 1 (UX)
User Interface Designer 3 (UI)
User Interface Designer 2 (UI)
User Interface Designer 1 (UI)
Web Administrator 2
Web Administrator 1

ARCHITECTS

Architectural Manager / Team Lead
Architect / Design Professional 4
Architect / Design Professional 3
Architect / Design Professional 2
Intern Architect / Design Professional 1
BIM Specialist
Architectural Technologist 4
Architectural Technologist 3
Architectural Technologist 2
Architectural Technologist 1

INTERIOR DESIGN

Interior Designer Team Lead
Interior Designer 2
Interior Designer 1
Interior Designer Technologist 3
Interior Designer Technologist 2
Interior Designer Technologist 1
Design Assistant

PROJECT SUPPORT

Construction Contract Administrator 3
Construction Contract Administrator 2
Construction Contract Administrator 1
Specification Writer 3
Specification Writer 2
Specification Writer 1

PLANNER / DESIGNER

Urban / Community Planner 3
Urban / Community Planner 2
Urban / Community Planner 1
Urban Designer 3
Urban Designer 2
Urban Designer 1
Landscape Architect 3
Landscape Architect 2
Landscape Architect 1

CLIENT SUPPORT (Help Desk)

Client Support/Help Desk Manager
Help Desk Lead
Help Desk Rep 2
Help Desk Rep 1
Client Support Lead
Client Support Rep 3
Client Support Rep 2
Client Support Rep 1

COMPUTER OPERATIONS

Computer Operations Manager
Computer Operations Lead
Computer Operator 3
Computer Operator 2
Computer Operator 1
Operations Analyst 2
Operations Analyst 1

DATA SCIENCE & BUSINESS INTELLIGENCE

Data Science & Business Intelligence Manager
Data Scientist 3
Data Scientist 2
Data Scientist 1
Business Intelligence Specialist
Business Intelligence Developer 3
Business Intelligence Developer 2
Business Intelligence Developer 1

DATABASE MANAGEMENT

Database Manager
Database Architect 2
Database Architect
Database Analyst 2
Database Analyst 1
Database Administrator 2
Database Administrator 1
Data Storage Lead
Data Storage Architect
Data Storage Administrator
Salesforce CRM Sr. Business Analyst
Salesforce CRM Jr. Business Analyst
Salesforce CRM Administrator
Salesforce CRM App Builder

TECHNICAL SALES & SUPPORT (Pre-Post Sales)

Regional Technical Sales Manager
Technical Sales Manager
Technical Sales Rep 2 (Sr. Sales Representative)
Technical Sales Rep 1 (Sales Representative)
Business Development Representative
Applications Specialist 3
Applications Specialist 2
Applications Specialist 1
Field Services Lead
Senior Field Services Technician
Field Services Technician

FIRMWARE (Embedded Software) ENGINEERS

Firmware Engineering Manager
Firmware Engineering Consultant
Firmware Engineer 5
Firmware Engineer 4
Firmware Engineer 3
Firmware Engineer 2
Firmware Engineer 1

GEOSCIENTISTS

Geoscientist Senior Management/Expert (Level F+)
Geoscientist Manager (Level F)
Geoscientist (Level E)
Geoscientist (Level D)
Geoscientist (Level C)
Geoscientist (Level B)
Geoscientist (Level A)

THE TECHNICAL SURVEY

2020 BENCHMARK POSITIONS

TECHNOLOGISTS
Technologist Lead
Technologist 4
Technologist 3
Technologist 2
Technologist 1
Project Technologist

QUALITY ASSURANCE
Quality Assurance Director
Quality Assurance Manager
Quality Assurance Analyst 4 / Supervisor
Quality Assurance Analyst 3
Quality Assurance Analyst 2
Quality Assurance Analyst 1
Release Manager

COMPUTER/HARDWARE SUPPORT
Computer Hardware/PC Support Manager
Computer/Hardware Lead
Computer/Hardware Technician 3
Computer/Hardware Technician 2
Computer/Hardware Technician 1

MULTI-MEDIA (New Media)
Art Director
Creative Director
Senior Animator
Animator
Senior Modeler (2D, or 3D)
Modeler (2D, or 3D)
Multimedia Application Developer
Web Content Leader/Manager
Web Content Developer 2
Web Content Developer 1/Copywriter
New Media Producer
Search Engine Optimization (SEO) Specialist
Social Media Coordinator 1
Senior Social Media Coordinator
Web Analytics Analyst

SCIENTISTS
Scientist 6
Scientist 5
Scientist 4
Scientist 3
Scientist 2
Scientist 1

TELECOMMUNICATIONS
Telecommunications Manager
Telecommunications Supervisor
Telecommunications Technician 3
Telecommunications Technician 2
Telecommunications Technician 1
Telecom Technician / Splicer
Telecom Systems Engineer

CONTINUITY MGMT/DISASTER RECOVERY
Director BusContinuity/Disaster Recovery
Bus Continuity/Disaster Recovery Project Manager
Bus Continuity/Disaster Recovery 2
Bus Continuity/Disaster Recovery 1
Systems Disaster Recovery Analyst

INFORMATION SECURITY
Information Security (Cyber Security) Manager
Information Security (Cyber Security) Architect
Information Security (Cyber Security) Analyst 2
Information Security (Cyber Security) Analyst 1
Security Analyst
Security Operator
Network Security and Systems Testing

ENGINEERING - GENERAL
Engineering Senior Management/Expert (Level F+)
Engineering Manager (Level F)
Engineer (Level E)
Engineer (Level D)
Engineer (Level C)
Engineer (Level B)
Engineer (Level A)

LAND SURVEYORS
Senior Project Manager
Senior Land Surveyor (Project Manager)
Land Surveyor 2
Land Surveyor 1
Party Chief 3
Party Chief 2
Party Chief 1
Survey Assistant 2
Survey Assistant 1

BUSINESS SYSTEMS ANALYSIS
Business Systems Manager
Business Systems Analyst 4
Business Systems Analyst 3
Business Systems Analyst 2
Business Systems Analyst 1

IT ASSET MANAGEMENT
Information & Technology Asset Manager
Information & Technology Asset Mgmt Compl Officer
Information & Technology Asset Coordinator
Information Systems Audit Manager
Information & Tech Service Perf Mgmt Manager

GEOMATICS
GIS Manager
GIS Supervisor
GIS Specialist
GIS Developer 2
GIS Developer 1
Geomatics Technician 4
Geomatics Technician 3
Geomatics Technician 2
Geomatics Technician 1

PIPELINE SERVICES
Pipeline Logistics Coordinator
Pipeline Maintenance Technician
Pipeline Field Service Technician
Pipeline Data Analyst

OPERATIONS ADMIN
Safety Manager
Safety Specialist
Safety Advisor 1

INSPECTORS
Chief Inspector
Environmental Compliance Inspector
Field Inspector 3
Field Inspector 2
Field Inspector 1

GRAPHIC DESIGN
Graphic Designer Lead
Graphic Designer 3
Graphic Designer 2
Graphic Designer 1