

THE TECHNICAL SURVEY**2018 BENCHMARK POSITIONS****MANAGEMENT/PROJECT MANAGEMENT**

Information/Technical Systems Executive
Information & Technology Infrastructure Executive
Director of Project Management Officer
Engineering Executive
Engineering Practice Director
Chief Technology Office (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 (Renumbered)
Technology Solutions Analyst 3
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
Senior Full Stack Developer
Full Stack Developer (New)
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

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

TECHNOLOGISTS

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

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 (New)
Marketing Proposal Coordinator (Revised)
Agile Scrum Master (New)
Product Development Manager
Product Owner (New)

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

PROJECT SUPPORT

Construction Contract Administrator
Specification Writer

THE TECHNICAL SURVEY

2018 BENCHMARK POSITIONS

(continued)

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
 Graphic User Interface Designer 3
 Graphic User Interface Designer 2
 Graphic User Interface Designer 1
 Web Master 2
 Web Master 1
 Internet Security And Systems Testing

DRAFTING DESIGNERS

Drafting / BIM Designer Manager
 Drafting / BIM Designer Supervisor
 Drafting / BIM Designer 3
 Drafting / BIM Designer 2
 Drafting / BIM Designer 1
 Design Systems Specialist
 Design Systems Analyst

ARCHITECTS

Architectural Manager / Specialist
 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 (New)
 Architectural Technologist 2
 Architectural Technologist 1

INTERIOR DESIGN

Project Manager / Interior Designer 3
 Project Manager / Interior Designer 2
 Project Manager / Interior Designer 1
 Interior Designer Technologist 3
 Interior Designer Technologist 2 (New)
 Interior Designer Technologist 1
 DESIGN ASSISTANT

PLANNER / DESIGNER

Urban / Community Planner 3
 Urban / Community Planner 2
 Urban / Community Planner 1 (New)
 Urban Designer 3 (New)
 Urban Designer 2
 Urban Designer 1
 Landscape Architect 3 (New)
 Landscape Architect 2 (New)
 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

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

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
 Business Intelligence Specialist
 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 (Revised Title)
 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

PIPELINE SERVICES

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

THE TECHNICAL SURVEY

2018 BENCHMARK POSITIONS

(continued)

COMPUTER/HARDWARE SUPPORT

Computer Hardware/PC Support Manager
 Computer/Hardware Lead
 Computer/Hardware Technician 3
 Computer/Hardware Technician 2
 Computer/Hardware Technician 1

GRAPHIC DESIGN

Graphic Designer Lead
 Graphic Designer 3
 Graphic Designer 2
 Graphic Designer 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

TELECOMMUNICATIONS

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

DATA SCIENTISTS (NEW)

Data Scientist 3 (New)
 Data Scientist 2 (New)
 Data Scientist 1 (New)

CONTINUITY MANAGEMENT/DISASTER RECOVERY

Director Business Continuity/Disaster Recovery
 Business Continuity/Disaster Recovery Project Manager
 Business Continuity/Disaster Recovery 2
 Business Continuity/Disaster Recovery 1
 Systems Disaster Recovery Analyst
 Information Security (Cyber Security) Manager (Revised)
 Information Security (Cyber Security) Architect (Revised)
 Information Security (Cyber Security) Analyst 2 (Revised)
 Information Security (Cyber Security) Analyst 1 (Revised)
 Security Analyst
 Security Operator

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)

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

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 Com Officer
 Information & Technology Asset Coordinator
 Information Systems Audit Manager
 Information & Technology Service Perf Mgmt Mgr

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)

OPERATIONS ADMIN

Safety Manager
 Safety Specialist
 Safety Advisor 1

INSPECTORS

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

SCIENTISTS

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