

FAIRFAX COUNTY, VIRGINIA

Industry Profile: Software, Cloud and Data Analytics

Software, cloud and data analytics technologies enable public- and private-sector enterprises to store and quickly extract value from large and complex data sets via data capture, discovery, analysis and visualization. This profile provides information on the regional resources to support data analytics firms, key customers/ industry verticals and selected companies that operate here.

TECH TALENT SNAPSHOT



240K

COMPUTER AND MATHEMATICAL WORKFORCE IN WASHINGTON, D.C., REGION

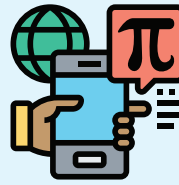
TALENT STRENGTHS: SYSTEM SOFTWARE/ INTEGRATION, APP AND WEBSITE DEVELOPMENT, USER EXPERIENCE, STATISTICS, OPERATIONS RESEARCH, DATA SCIENCE



\$130K+

MEDIAN WAGE WASHINGTON, D.C., MSA

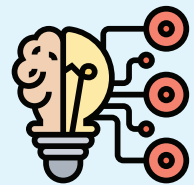
ENTRY LEVEL: \$79K
EXPERIENCED: \$163K



#2

COMPUTER AND MATHEMATICAL WORKFORCE AMONG ALL METRO AREAS

FAIRFAX COUNTY IS ALSO ONE OF THE TOP 10 COUNTIES IN THE U.S. (OUT OF 3,100+) FOR COMPUTER AND MATHEMATICAL WORKFORCE



2X

MORE THAN TWICE THE CONCENTRATION OF COMPUTER SCIENCE AND MATHEMATICS WORKERS THAN U.S. AVERAGE

SOURCE: JOBSEQ, U.S. BUREAU OF LABOR STATISTICS, OCCUPATIONAL EMPLOYMENT SURVEY, MAY 2023

INDUSTRY TALENT - WASHINGTON, D.C., REGION (SELECTED OCCUPATIONS)

Occupation	Number of Workers
Computer Occupations	
Computer and Information Research Scientists	2,240
Computer and Information Systems Managers	18,760
Computer Systems Analysts	17,830
Computer Network Architects	10,180
Computer User Support Specialists	19,410
Database Administrators	3,810
Software Developers	72,010
Software Quality Assurance Analysts and Testers	8,100
Web Developers	4,160
Web and Digital Interface Designers	3,590
Analytical Occupations	
Data Scientists	6,840
Market Research Analysts and Marketing Specialists	21,670
Operations Research Analysts	8,610
Statisticians	3,850

SOURCE: OCCUPATIONAL EMPLOYMENT STATISTICS, U.S. CENSUS BUREAU, MAY 2023
ADDITIONAL OCCUPATION, WAGE AND SALARY INFORMATION AVAILABLE UPON REQUEST

COMMUNITY ASSETS/STRENGTHS

- 60+ regional colleges/universities and community colleges (all majors)
- 16K+ degrees and certificates awarded annually in data analytics-related computer and mathematical disciplines
- Close proximity to federal agency data producers and data privacy/data regulatory bodies
- Strong telecommunications network with the highest concentration of data center capacity in the world
- Innovation ecosystem: 10,000+ technology firms, research universities, VC firms and business incubators/accelerators

SOURCES: JOBSEQ, CUSHMAN & WAKEFIELD

KEY CUSTOMER AND INDUSTRY VERTICALS



FEDERAL AGENCIES (DEFENSE, CIVILIAN, INTELLIGENCE)



FORTUNE 500 COMPANIES



CORPORATE HEADQUARTERS



SYSTEMS INTEGRATORS, IT SOLUTION PROVIDERS



FINANCIAL SERVICES COMPANIES

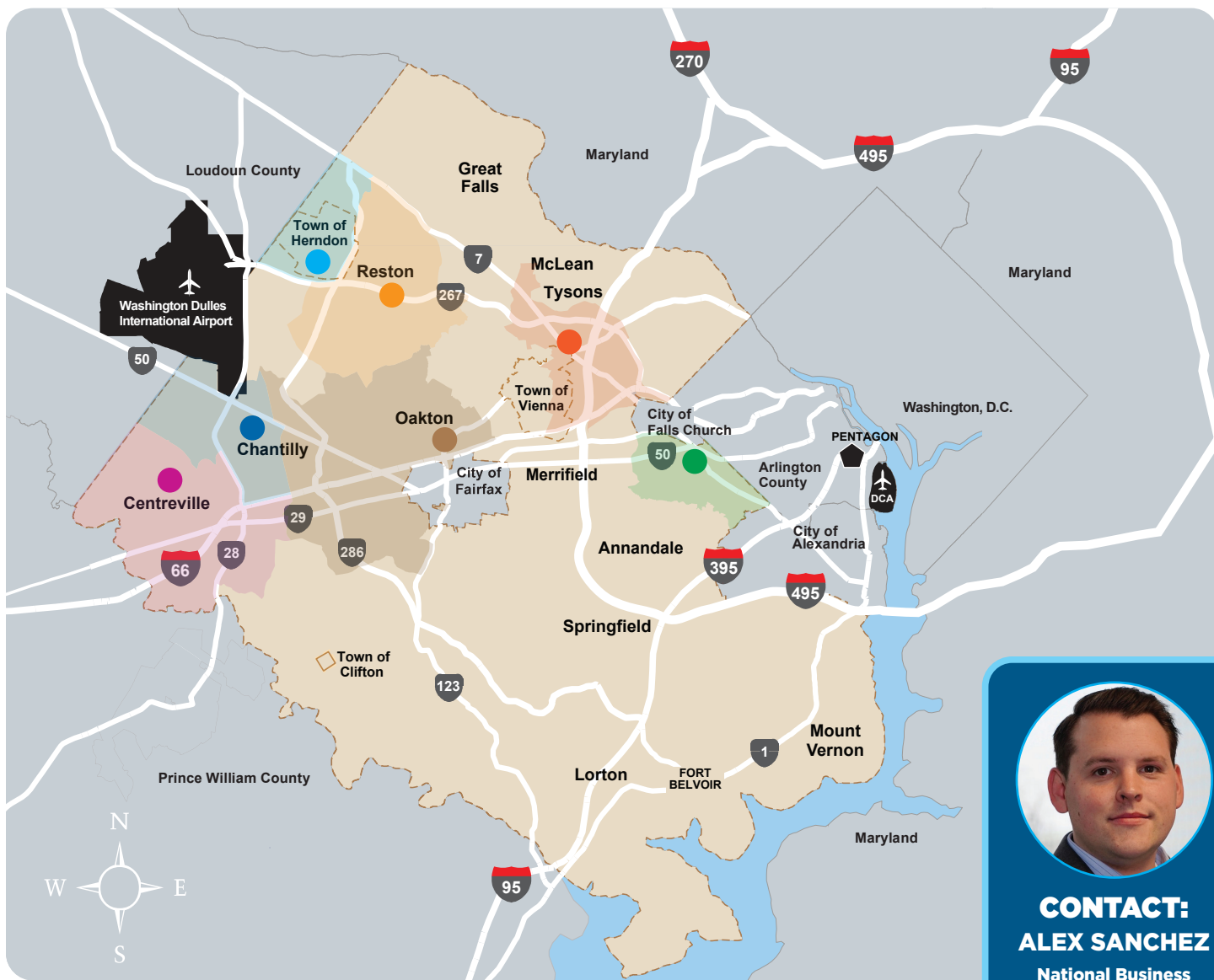


RETAIL/CONSUMER MARKETING



HEALTH CARE/ HEALTH IT

SOFTWARE, CLOUD AND DATA ANALYTICS COMPANIES (HARDWARE/INFRASTRUCTURE/ANALYTICAL TOOLS AND INSIGHTS)




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COMPANIES BY BUSINESS AREA AND SUB-SECTOR

● CENTREVILLE

BloomCatch ▲

● CHANTILLY

BigBear.AI ◆

● FALLS CHURCH

Enabled Intelligence ◆

● HERNDON

Amazon Web Services ■
Cisco ■
IBM ■
Juniper ■
Lumen Technologies ■

● OAKTON

AT&T ■

● RESTON

Cloudpermit ▲
CoreSite ■
goCanvas ▲
Microsoft ▲ ■
Oracle ■
Qualtrics ▲
SoftwareAG ▲
VMware ■

● TYSONS

Accenture Federal Services (Novetta) ◆
Advanced Technology Applications ◆
Altamira ◆
Appian ▲
Cloudera ■
Cvent ▲
Element Critical ■
insightsoftware ◆
JDSAT ◆
NetApp ■
NT Concepts ◆
Splunk ▲

KEY:

- ◆ DATA ANALYTICS
- ▲ SOFTWARE
- CLOUD INFRASTRUCTURE/HARDWARE
(STORAGE, SERVERS AND NETWORKS)



FAIRFAX COUNTY
ECONOMIC DEVELOPMENT AUTHORITY

August 2024