


IT STATS AND SKILLS

Joe Padin, Vice President
Government and Commercial Skills Certifications
CompTIA



\$1.3 trillion or 7.5%
estimated direct contribution
of the tech industry to the US economy

Key Forces Shaping the Tech Landscape

Cloud



Data



Mobile / Apps



Automation



Everything-as-a-Service



Connectivity / IoT



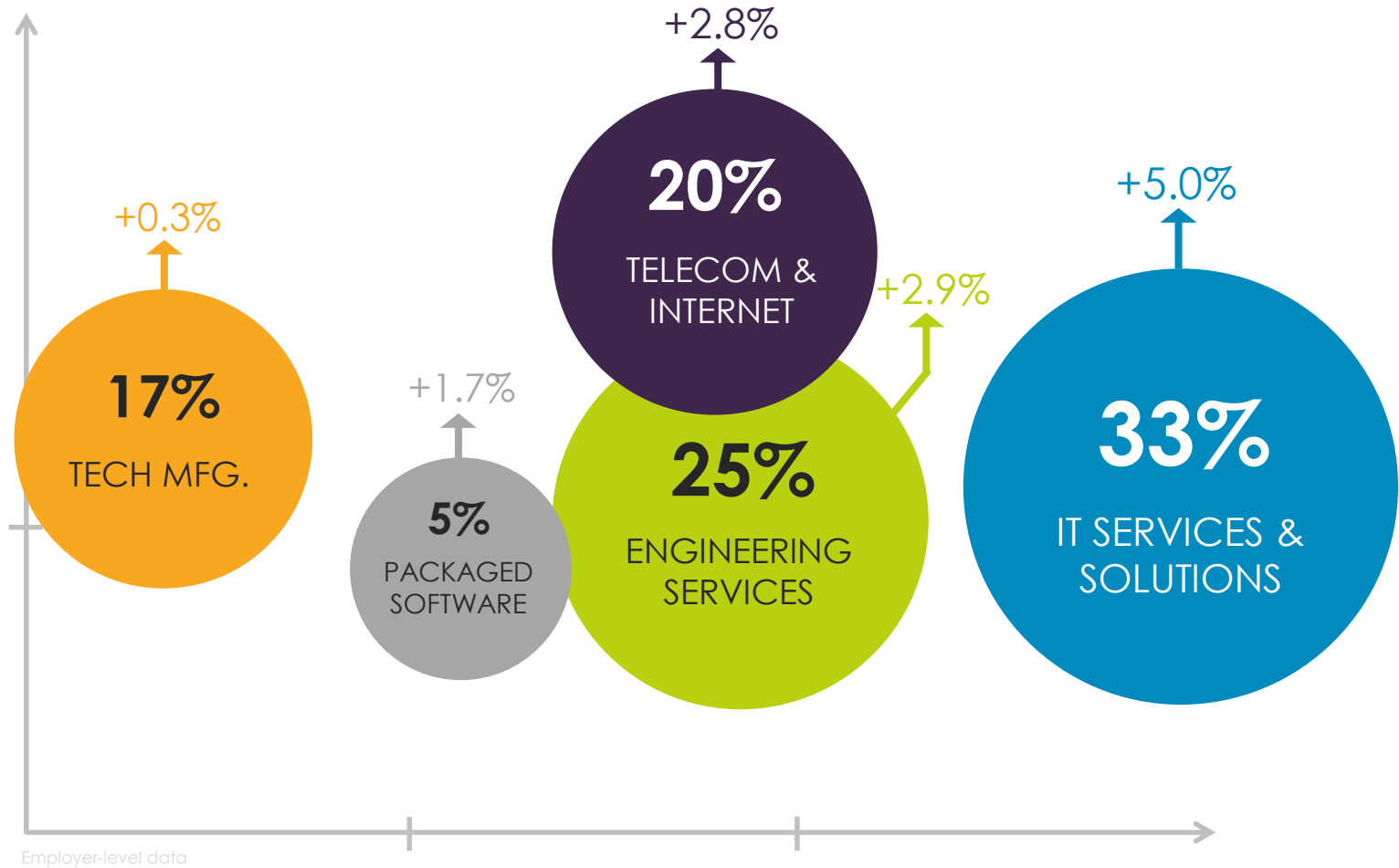
Software-Defined



Cybersecurity and Privacy



Sizing and Shaping the Tech Sector





IT Jobs

■ **7.3 million** number of tech occupation workers

employed across all industries in the U.S. economy

■ **626,560** number of posting for tech occupation job

openings during Q4'16



IT Jobs

- **390,800** Tech Occupation Jobs
- 24,326 Tech Business Establishments
- \$118,409 Average Wage in Tech Industry
- 4.2% Tech Industry as a % of overall workforce



Leading Tech Occupations

Core IT Occupations		
Software Developers, Applications	724,660	+4.2%
Computer User Support Specialist	584,630	+3.4%
Computer Systems Analyst	555,470	+4.0%
Software Developers, Systems Software	403,110	+3.9%
Network and Computer Systems Administration	375,270	+2.4%

Fastest growing IT occupation:
cybersecurity professionals @ 4.9%

Other Tech Occupations include
Engineers 1.2 million

Installers and repairers
577,000

Engineering Technicians
350,000

Assemblers 177,000



Leading Tech Occupations

Core IT Occupations	
Software and Web Developers	78,042
Network Architects, Admins & Support	42,879
Systems and Cybersecurity Analysts	42,630
Computer Support Specialists	40,662
Database Administration	6,742

Leading Tech Sectors in
New York State

IT Services and Custom
Software Services

Telecommunications
and Internet Services

Engineering R&D and
Testing Services

Tech Manufacturing

2017 IT SKILLS IN DEMAND

1. Software Developers (Full Stack)
2. Project Managers
3. CyberSecurity
4. Network Professionals
5. UI/UX Designers/Developers
6. QA/Testing
7. Cloud Engineers
8. Big Data
9. Machine Learning/AI
10. Devops



cio.com Jan 2017

Thank you

@comptia

www.cyberstates.org

jpadin@comptia.org