



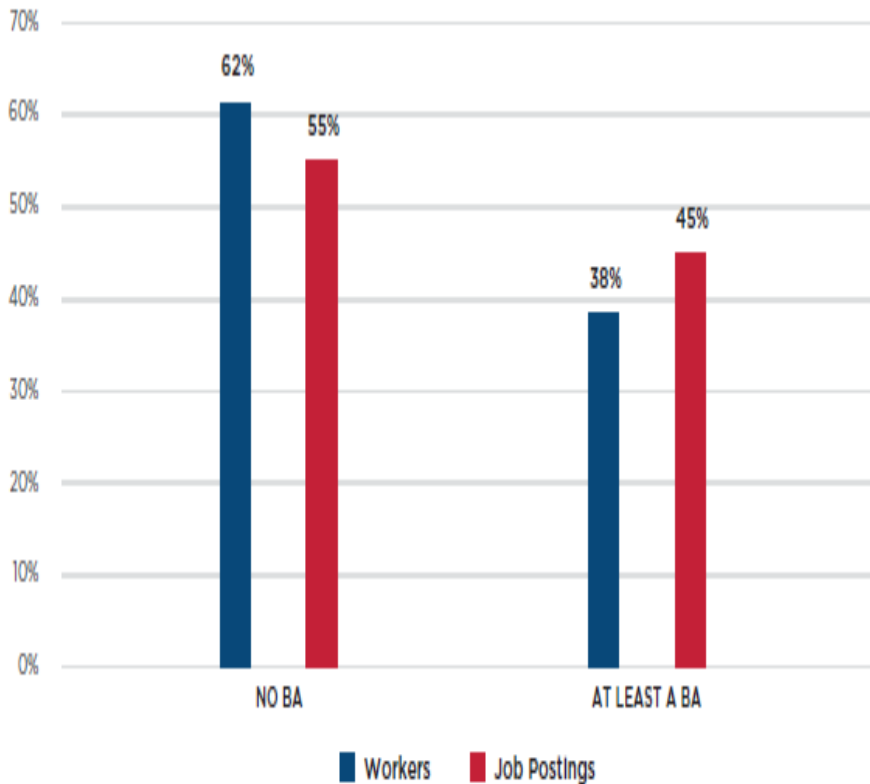
Why Data Matters In the Skills-First Movement

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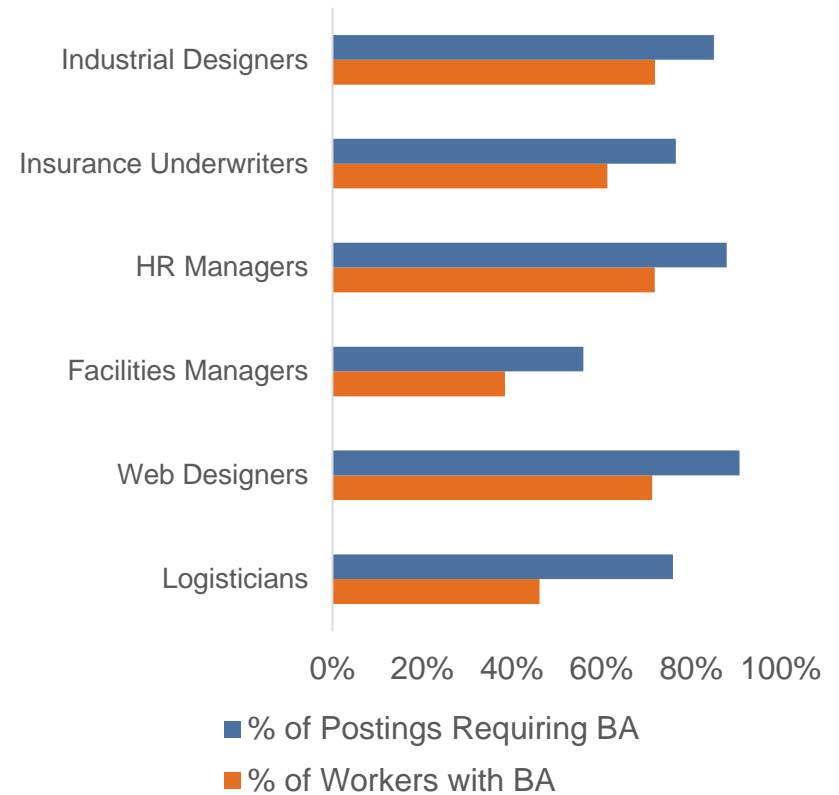
Labor Markets Misalignment

Firms are requiring degrees for occupations where incumbent workers often don't have them

Job Postings Requesting a Bachelor's Degree Outpace the Share of Workers With One



Postings requiring a degree v. workers with a degree, by occupation



The Labor Market Is Historically Tight

Demographic trends indicate that tightness is here to stay

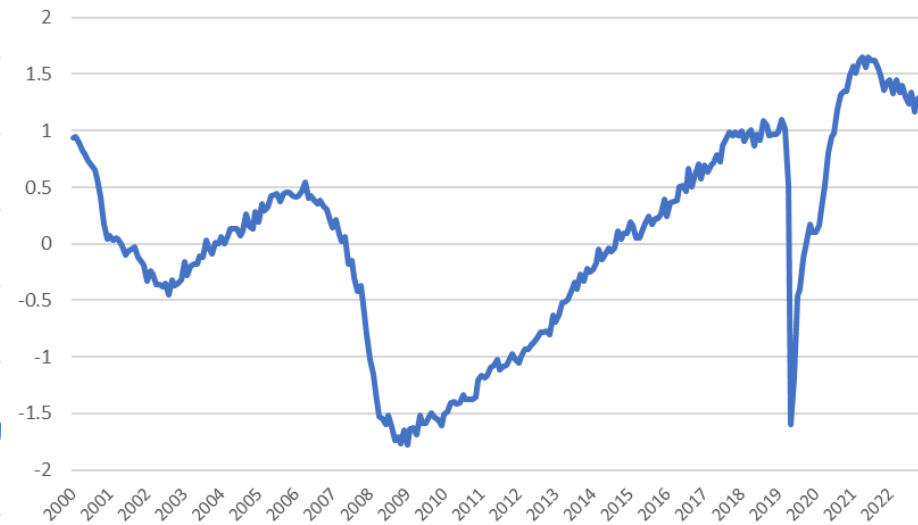
The working age population is shrinking. Further, workforce participation is historically low even as the pandemic has subsided

Though tightness is subsiding somewhat, the labor market remains historically tight

Monthly Working Age Population Growth Rate - 12-Month Moving Median



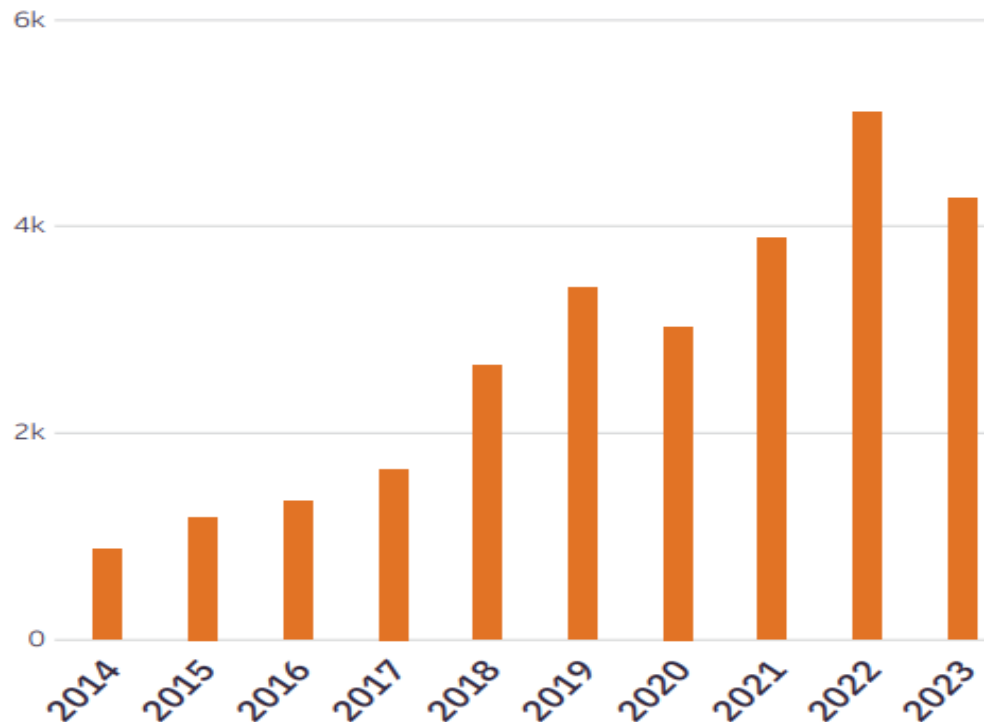
Burning Glass Institute Labor Market Tightness Index



Data Matters

We've seen a **4x increase** in job postings that removed degree requirements – indicating traction for the skills-first movement

FIGURE 2: Roles in sample that removed requirements per year



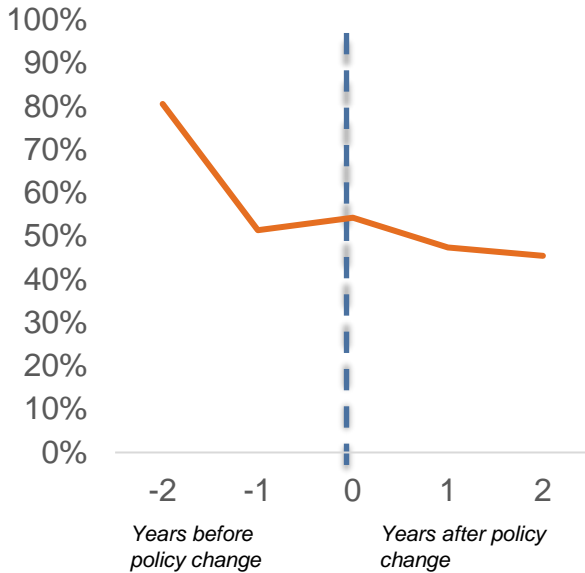
Source: Burning Glass Institute analysis of Lightcast job postings data

But The Right Data Matters More

Digging into actual hiring patterns reveals change has been inconsistent. We see three archetypes of firms, with roughly a third of firms in each

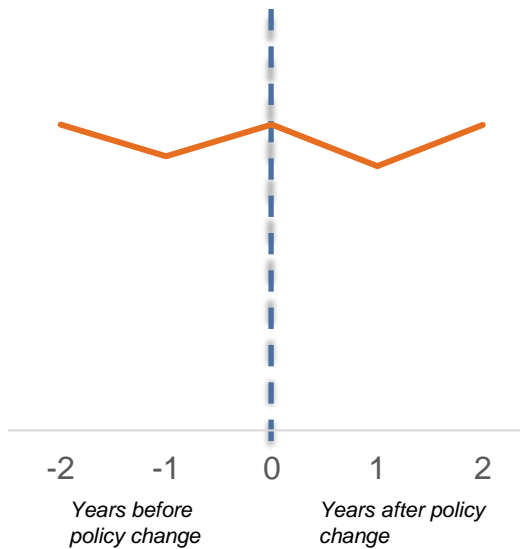
Some companies are driving real change and are **leaders in skills-based hiring**

Share of BA's hired into roles that removed degree requirements



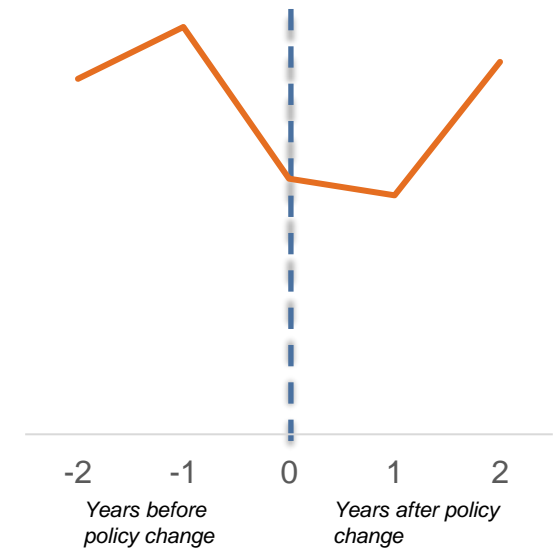
Examples: Yelp, Sachs, Cigna, Koch

Meanwhile, others are **struggling to translate intent into practice**, showing minimal changes in non-BA hires



Examples: Bank of America, Lockheed Martin, Oracle

Still others, after initial success, are **backsliding** into old habits



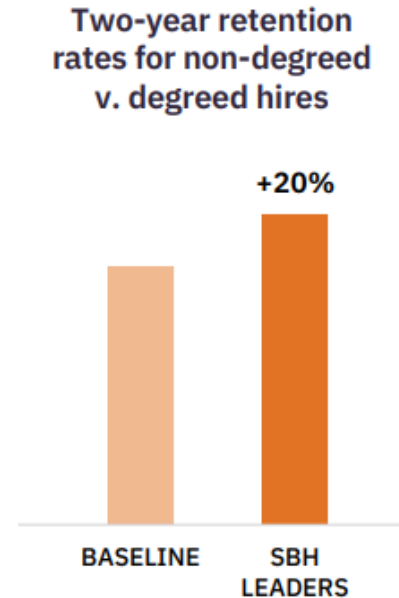
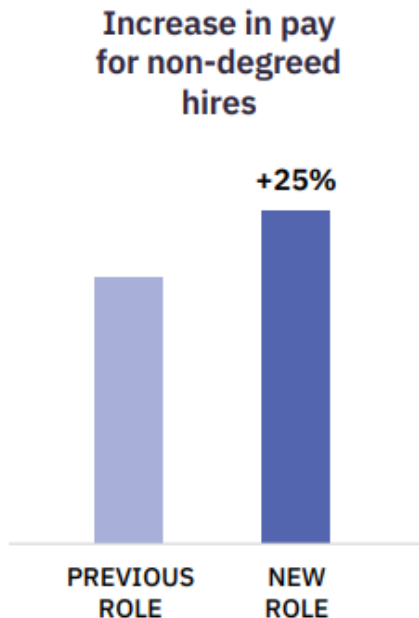
Examples: Delta Airlines, Nestle, Uber

Skills Based Hiring Is a Win-Win

Despite lack of movement, our data shows skills-based hiring benefits both firms and workers

When workers without a BA land a role where a firm dropped the degree requirement, they see a ~25% increase in salary, equating to, on average, \$12,400

When firms hire non-degreed workers for these roles, these workers have an 8-percentage point higher retention rate (61% v. 53% retention over 2 years)



An Array of Measurements Of ‘Skillability’

The skills-first movement needs measurement and tracking of data across a range of categories

Today's Focus	Restructuring Role Requirements	Removal of degree requirements from specific roles, captured as a static value as well as change of over time
	Changes In Hiring Behavior	Hiring of non-degreed workers into those specific roles, captured as a static value as well as change of over time
	Changes in Promotion Patterns	Promotion rates of non-degreed workers, captured as a static value as well as change of over time
	Deeper Validations (Future Phases of Work)	<ul style="list-style-type: none"> • Articulation of soft requirements / skills, especially among skills-based mobility leaders • Alignment between advertised skill needs and skills held by hires • Acceptance of non-degreed credentials in postings and among hires • Share of internal promotions / hires from within of non-degreed workers into specific occupations • Willingness to compromise on requirements and/or willingness to train

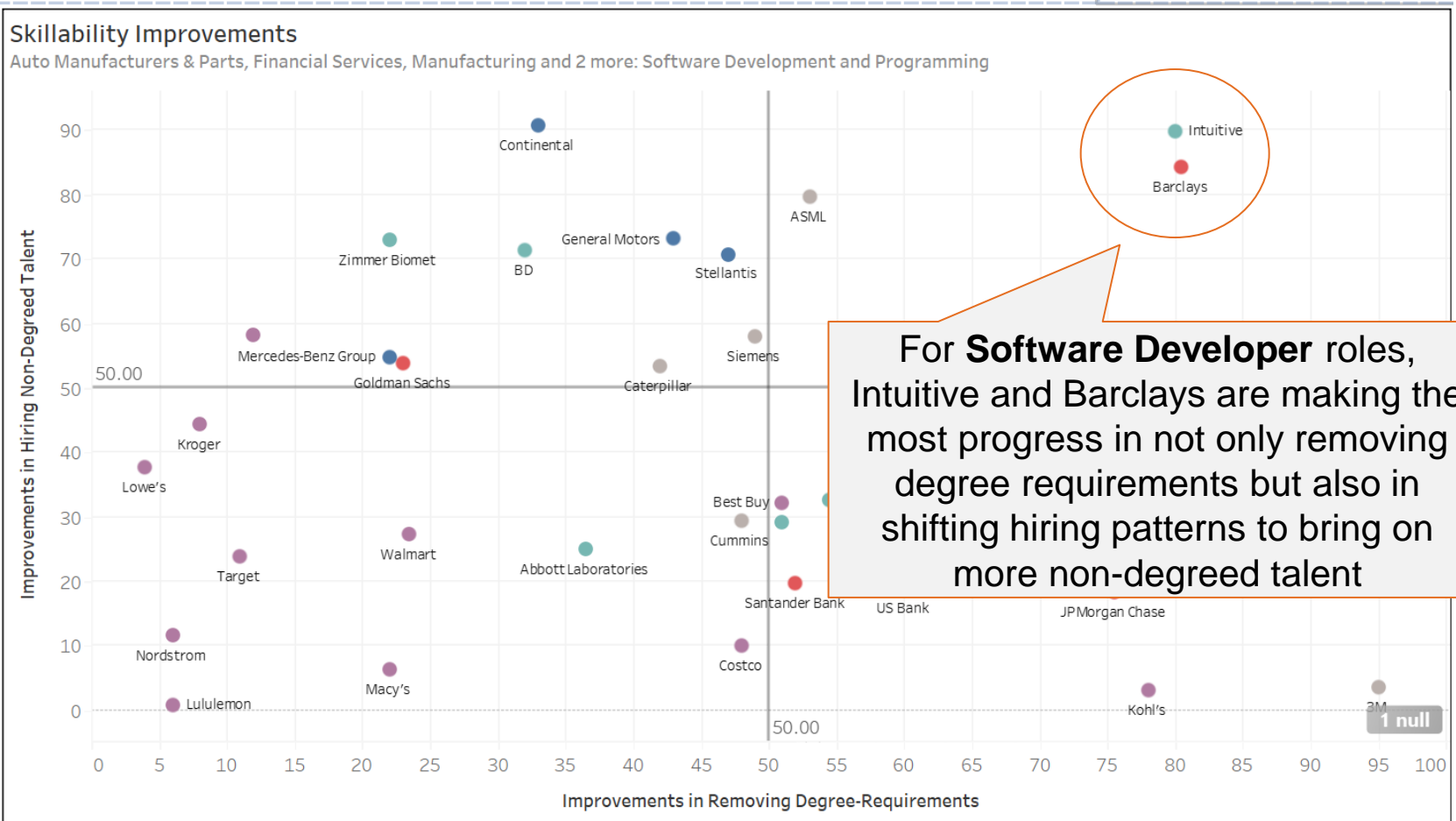
The Pacesetters

Costco, Best Buy, HSBC, and BWM are pacesetters – removing degree requirements and implementing skills-based hiring in practice



Specificity Drives Actionability

Analyzing role-level hiring can pinpoint areas of effective practice



Skills-Based Mobility Needs Skills-Based Currency

It's now possible to measure the efficacy of certifications across an array of dimensions.



Overall

1. Troubleshooting It Remote Administration - LinkedIn
2. Cybersecurity Red Badge - Eleven Fifty Academy
3. Certified Identity and Access Manager - Identity Management Institute (IMI)

Employment

1. Cisco Certified CyberOps Associate - Cisco
1. Cybersecurity Fundamentals Certificate - IBM
2. Introduction To Cybersecurity Course - Codecademy

Opportunity

1. Sumo Logic Security and Compliance Certified - Sumo Logic
1. MS Exchange Server Administration - Brainbench
2. Corporate Cybersecurity Management - Cybrary

Access

1. CIS 201: Computer Hardware- Year Up
1. Cisco Networking Academy - Cisco
2. Learning Computer Security and Internet Safety - LinkedIn

Learning

1. GIAC Systems and Network Auditor Certification (GSNA) - Global Information Assurance Certification (GIAC)
1. ITIL Foundation- Servicenow
2. ITIL Release Control and Validation (ITIL-RCV) - Information Technology Infrastructure Library (ITIL)

Demand is determined at the category level - these credentials have the same demand score.

Skills-Based Mobility Needs Common Language

Retailer A - Store manager In Chicago

Accountability
Adaptability
Business objectives
Business process
Communication
Community outreach
Customer service
Diversity awareness
Ethical standard and conduct
Management
Merchandising
Performance management
Process improvement
Profit and loss (P&L) management
Retail operations
Sales
Teaching
Visual merchandising

Retailer B - Store manager In Chicago

Business relationship management
Coaching
Critical thinking
Customer service
Management
Marketing
Merchandising
Performance review
Physical inventory
Sales
Sales strategy
Selling techniques
Supervision

Same skill in both roles
Similar skill in each role
No overlap

Identifying Launchpad Jobs

Skills-based hires lack data-driven guidance; we use a range of metrics to identify which jobs serve non-college workers best



Wages

Does the job offer strong wages today and into the future?



Healthcare

Does the job provide health insurance?



Mobility

Does the job offer strong pathways to better opportunity?



Stability

Is the job secure, and is it relatively immune from automation risk?

Top Launchpad Jobs

Launchpad Job Title	Score
Power Plant Operators	86
Command and Control Center Specialists	81
Power Distributors and Dispatchers	80
Infantry	79
Aerospace Engineering Technicians	78
Chemical Plant and System Operators	78
Petroleum Pump System Operators	78
Plant and System Operators	78
Electrical Engineering Technicians	77
Firefighters	77
Military Enlisted Tactical Operations Specialists	77
Calibration Technologists and Technicians	76
Nuclear Technicians	76
Electrical Power-Line Installers and Repairers	76
Signal and Track Switch Repairers	75

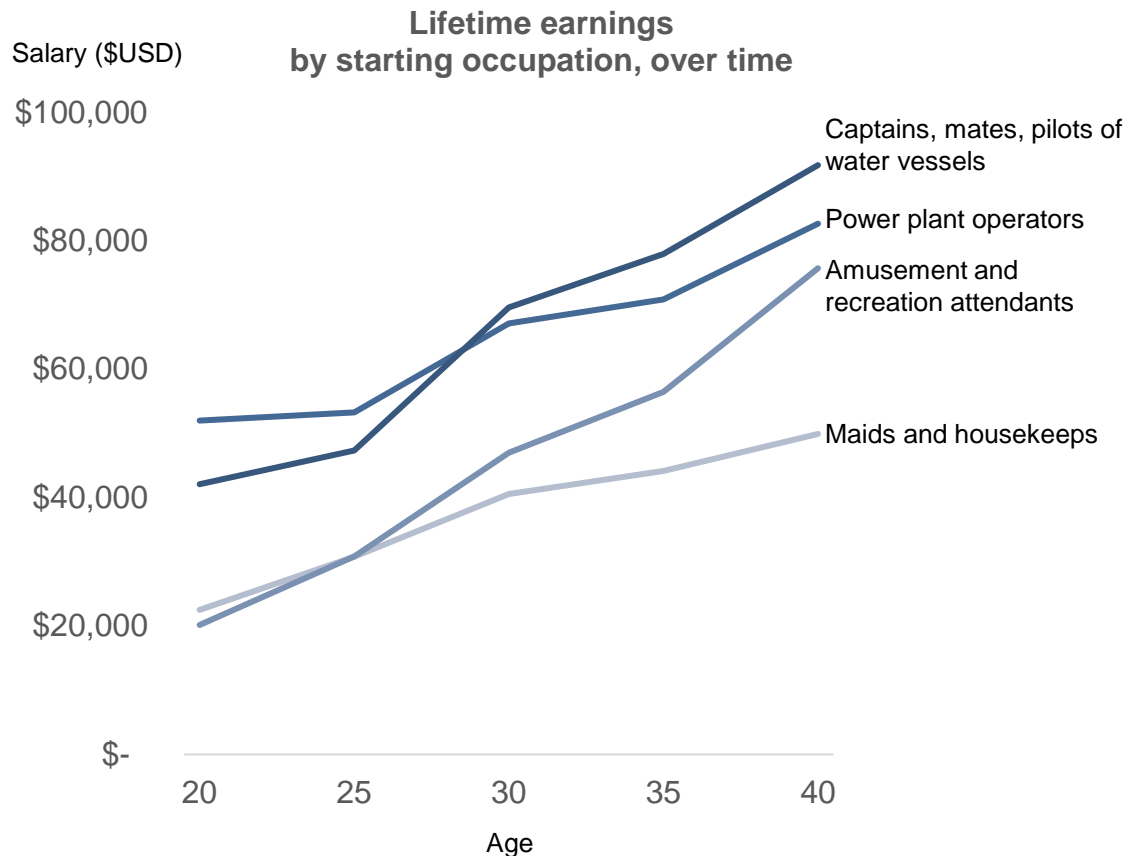
While over half of Launchpad jobs involve technical, maintenance, or manufacturing work, there are Launchpad jobs in every field – 14% of these roles are in Healthcare and another 20% in white collar occupations

The Road To Success Isn't Random

Data is critical to identify which paths lead to the best outcomes

Different first jobs lead to very different careers...

But workers lack visibility



Despite

1.9M

Entry-level openings for
“Launchpad” jobs in 2023...

Fewer than

1 in 10

Eighteen-year-olds is
employed in one of them

Data-Driven Strategies Ease Impact for Workers

Data-driven models facilitate better results vs. one-size-fits-all outplacement



- A major firm is anticipating and preparing for automation-driven impacts in a range of functions and locations
- Effective strategies need to account for the local landscape of opportunity for each affected talent pool – including what transitions are available within the firm and how big a role the firm plays in each local labor market.
- Data-driven planning enable smart intervention.

When It Comes to Reskilling, All Jobs are Local

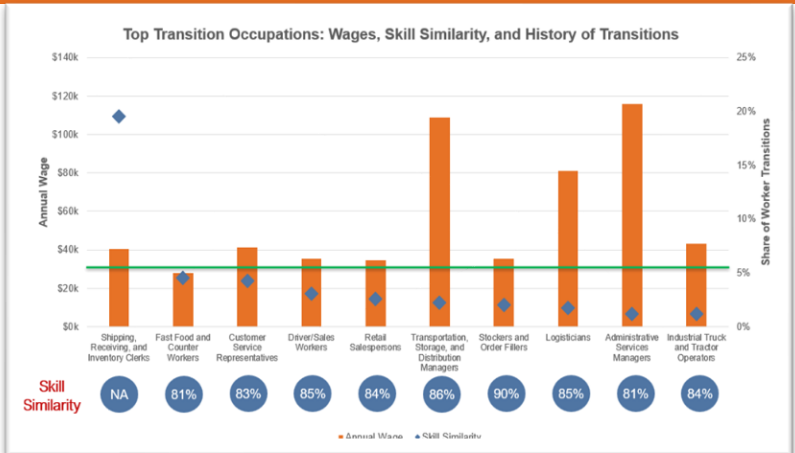
Workers in the same role at the same firm can require very different supports

1. Determine Company's local labor market share of each DC occupation, map red/yellow/green

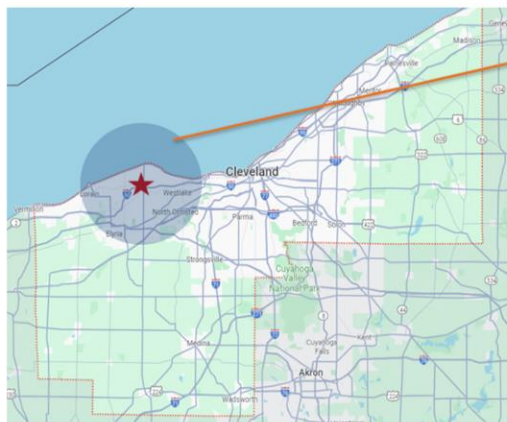
Share of Local Employment by Occupation for each DC

Distribution Center	Laborers and Freight, Stock, and Material Movers, Hand	Stockers and Order Fillers	Transportation, Storage, and Distribution Managers	Shipping, Receiving, and Inventory Clerks	Packers and Packers, Hand
Metropolitan Statistical Area #	0.5%	0.4%	0.8%	0.6%	1%
Metropolitan Statistical Area #	23%	44%	69%	23%	0%
Metropolitan Statistical Area #	2%	0.5%	1.5%	3%	0.2%
Micropolitan Statistical Area #	4%	0.9%	3%	4%	12%
Metropolitan Statistical Area #	0.4%	0.4%	0.1%	0.1%	0%

2. Identify skill-adjacent transitions that represent positive wage outcomes for workers



3. Map theoretically feasible job transitions to local job opportunities

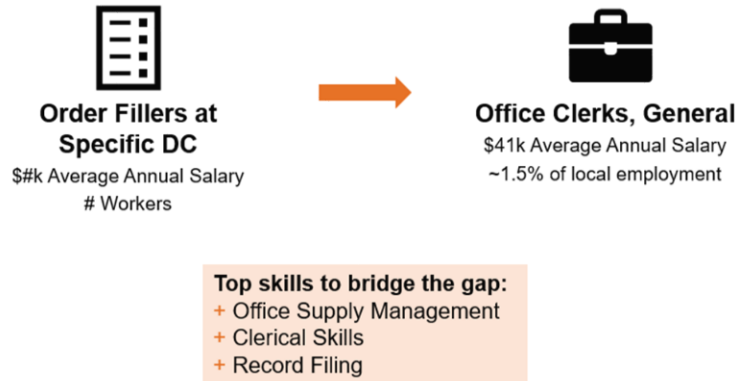


- 2023 Job Postings in Area: 12k
- 2023 Local Job Posting in DC Occupations: 5k

Top Job Posting Employers of DC occupations:

- [Employer] # Postings
- [Employer] # Postings
- [Employer] # Postings
- [Employer] # Postings
- [Employer] # Postings

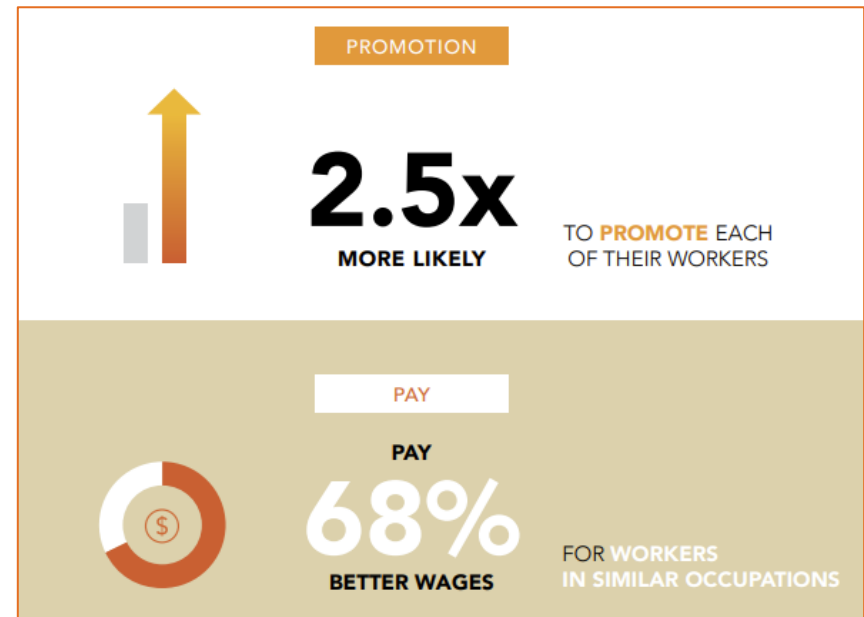
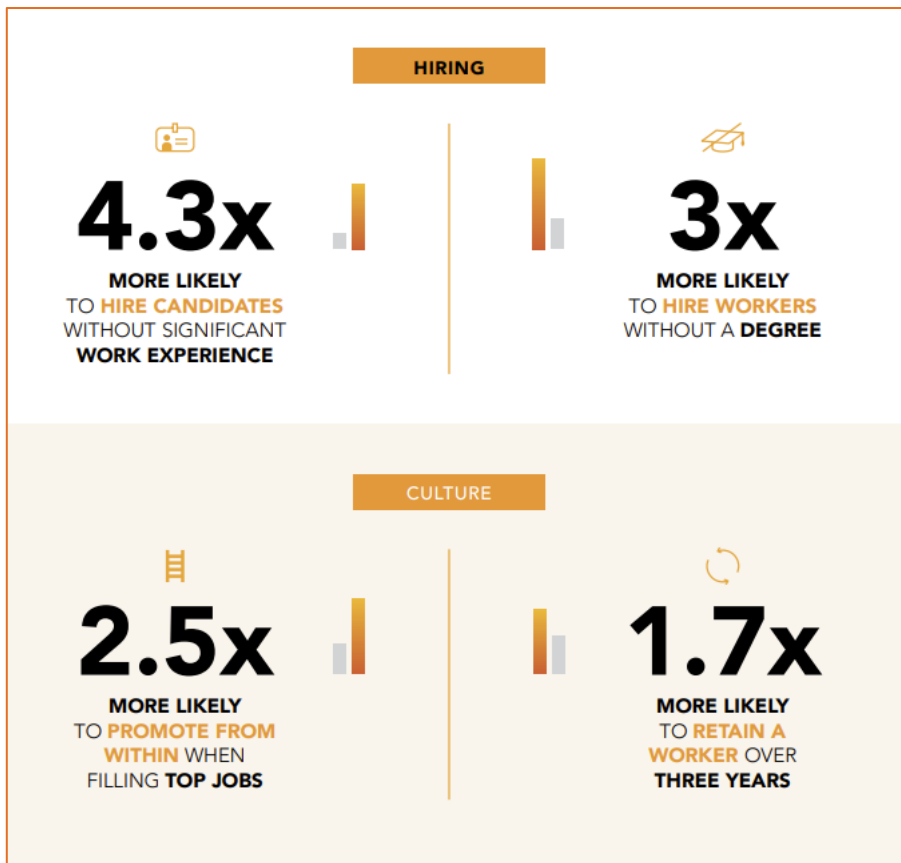
4. Identify skill gaps between current and target occupations for targeted reskilling



Company Practice Matters

The American Opportunity Index shows that some firms deliver far stronger mobility and access for their workers than others

Compared to Bottom-Quartile Firms, Top-Quartile Firms Are.....



A New Paradigm of Productivity

We need a new framework fit for the Human Economy

Historically, we have focused on driving down the cost of **inputs**



By investing in skills, we can grow productivity by making workers and their **outputs** worth more



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