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Evolution of Programmatic Job Advertising: Strategic Talent Acquisition

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contents

Introduction	1
Definition: What is Programmatic Job Advertising?	4
Programmatic Job Advertising: What Has Changed Since the Pandemic?	7
Benefits of Programmatic Job Advertising	8
Evaluating Programmatic Job Advertising Providers	10
Key Trends Influencing the Future of Programmatic Job Advertising	13



Evolution of Programmatic Job Advertising: Strategic Talent Acquisition



68%

OF COMPANIES
EXPECT HIRING
CHANGES IN 2025

Introduction

Four years after our first research study on programmatic job advertising in 2021, the landscape of talent acquisition has evolved, but significant challenges and opportunities remain. Companies face pressure to innovate and optimize their recruitment strategies, heightened scrutiny from CFOs, and ongoing misconceptions about programmatic advertising. We decided that revisiting this topic now is more important than ever.

The decision to revisit programmatic job advertising stems from four critical reasons shaping talent acquisition today:

Changes in Hiring: According to Aptitude Research, 68% of companies expect hiring changes in 2025. New skills and new responsibilities with the advancement of technology, has changed the way companies are hiring for the future. With talent demands shifting rapidly, organizations must adopt more agile and cost-effective advertising solutions to stay ahead.

Do More With Less: Economic pressures mean that companies need to cut wasted advertising spend while achieving better hiring outcomes.

Wasted Spend and CFO Scrutiny: Nearly half of organizations acknowledge significant waste in their job advertising spend. As CFOs increasingly demand justification for talent acquisition TA budgets, TA leaders must make data-driven, cost-effective decisions.

Continued Lack of Understanding: Despite the progress of three years, 1 in 2 companies remain unclear about what programmatic advertising entails, leaving many unable to capitalize on its benefits.

Talent Acquisition Budget Allocation

2



This report seeks to demystify programmatic job advertising, emphasizing its ability to deliver immediate and measurable ROI. By automating and optimizing job advertising processes, programmatic solutions offer:

 <p>COST SAVINGS</p> <p>Significant cost savings by reducing waste.</p>	 <p>EFFICIENCY</p> <p>Improved applicant quality, accelerating time-to-fill metrics.</p>	 <p>DEI INITIATIVES</p> <p>Enhanced Diversity, Equity, & Inclusion (DEI) efforts by broadening candidate reach.</p>
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As organizations look to refine their talent acquisition strategies for the years ahead, understanding and adopting programmatic job advertising is not just a competitive advantage—it is a necessity.

This report will address the following:

Definition:

Defining Programmatic Job Advertising and the Value it Provides

Key Trends:

Understanding What Has Changed Over the Past Three Years

Benefits:

Understanding the Benefits for Candidates, Recruiting Teams, and Companies

Options:

Highlighting the different buying and pricing options for programmatic job advertising today

Success:

Determining the KPIs for success in programmatic job advertising

Future:

Looking ahead at the future outlook of programmatic job advertising



Investment in Programmatic Job Advertising

1

For companies not using programmatic job advertising, 1 in 2 stated that it is because they do not know what it is.

1 IN 2
COMPANIES DON'T
KNOW WHAT
PROGRAMMATIC
ADVERTISING IS

2021 2025



Definition: What is Programmatic Job Advertising?

Programmatic job advertising uses technology to automate and streamline the buying, placement, and optimization of job advertisements across various platforms including major and niche job boards. Unlike traditional manual job advertising, programmatic solutions rely on data-driven algorithms and AI to distribute ads strategically, ensuring the right candidates see the right opportunities at the right time. Programmatic advertising is a common technology used in marketing and it is getting more traction in talent acquisition. This study found that 34% of enterprise companies are using programmatic job advertising but many are still doing manual advertising. When asked if companies will change their investment in 2025, 56% will increase investment (see Figure 1).

Key Features of Programmatic Job Advertising:

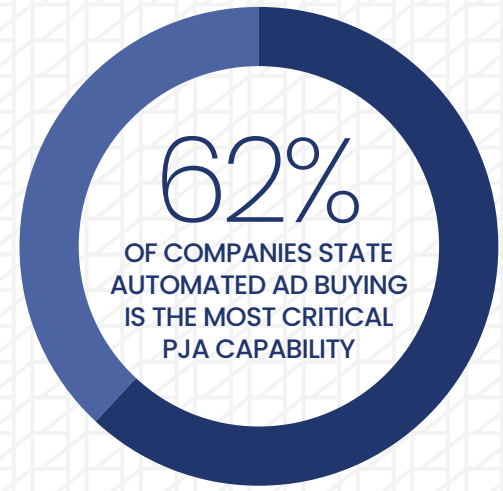
<p>AUTOMATION</p> <p>Removes the need for human intervention in negotiating & purchasing ads</p>	<p>REAL-TIME BIDDING (RTB)</p> <p>Allows companies to purchase ad placements dynamically, ensuring optimal cost and reach.</p>
<p>DATA-DRIVEN DECISIONS</p> <p>Uses historical & predictive analytics to allocate budget efficiently and target desired candidate pools.</p>	<p>TRANSPARENCY</p> <p>Provides detailed insights into campaign performance, including spend, reach, and applicant quality.</p>

When asked what capabilities are most critical in programmatic job advertising for companies using or planning to use this technology, 62% stated automated ad buying. But programmatic job advertising can do much more. *Figure 2* shows many of the capabilities of programmatic job advertising.

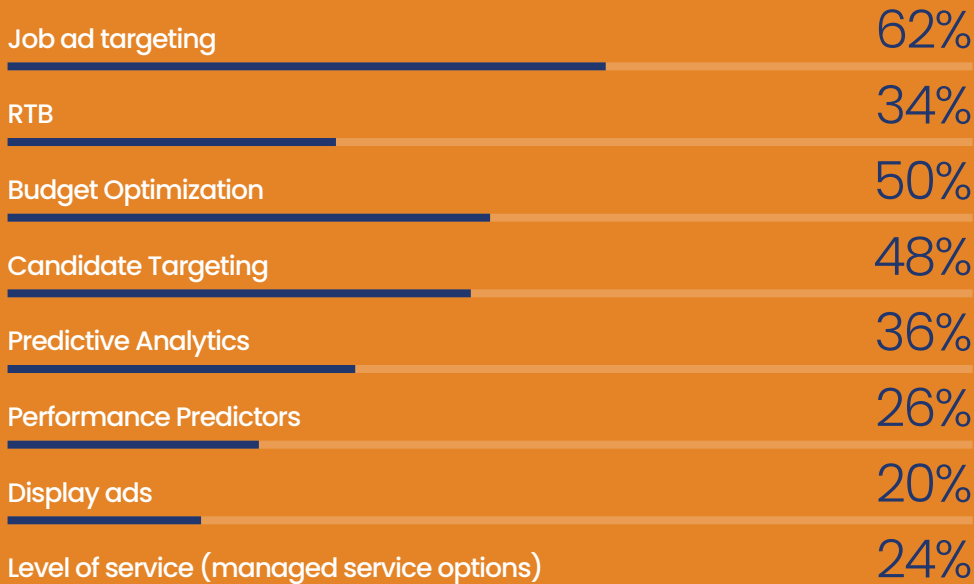
How does Programmatic Job Advertising work?

The process of programmatic advertising involves several steps, powered by AI and machine learning:

1	BUDGET ALLOCATION	Companies set a defined budget for advertising, which is automatically distributed based on performance metrics and priorities.
2	AUDIENCE TARGETING	Algorithms analyze historical data and job attributes to determine the ideal candidate demographics and platforms.
3	REAL-TIME OPTIMIZATION	Ads are placed on the platforms where they will perform best, and adjustments are made dynamically to improve effectiveness.
4	PERFORMANCE MONITORING	Dashboards provide visibility into metrics like cost per click, quality of applicants, and diversity reach, enabling continuous improvement.



For example, instead of manually purchasing ad space on a job board, programmatic systems evaluate which channels yield the highest ROI and automatically adjust spend to maximize results.



Key Capabilities
of Programmatic
Job Advertising

2

Why Programmatic Outperforms Manual Advertising








Traditional job advertising requires recruiters to juggle multiple platforms, negotiate pricing, and manually monitor campaign results. This fragmented approach often leads to wasted spend, low-quality applicants, and inefficiencies that strain already stretched TA resources.

Programmatic advertising, by contrast, automates these processes, allowing talent acquisition teams to focus on strategic priorities rather than administrative tasks. It not only saves time and money but also delivers superior hiring outcomes by aligning job ads with the platforms and audiences most likely to achieve results.

3

Programmatic Vs. Manual Job Advertising



	FEATURE	MANUAL JOB ADVERTISING	PROGRAMMATIC JOB ADVERTISING
	PROCESS	Manual negotiation and purchase of ads on individual platforms.	Automated ad buying and placement through AI algorithms.
	EFFICIENCY	Time-consuming and prone to human error.	Streamlined process with reduced administrative burden.
	BUDGET ALLOCATION	Fixed spend across limited platforms.	Dynamic budget adjustments based on performance.
	CANDIDATE TARGETING	Limited to generic audiences.	Tailored targeting based on predictive analytics.
	TRANSPARENCY	Limited visibility into campaign outcomes.	Comprehensive reporting and real-time performance tracking.
	IMPACT ON RESULTS	High waste and suboptimal ROI.	Improved applicant quality, time-to-fill, and diversity reach.

Programmatic Job Advertising: What Has Changed Since the Pandemic?

COVID-19 forced companies to rethink how they allocated recruitment budgets and engaged candidates. For many companies with high-volume needs, programmatic advertising became an essential strategy, offering automation, cost control, and better results during uncertain times.

Key Changes Since the Pandemic:

Increased Adoption: The urgency to hire efficiently and reduce waste led more companies, particularly enterprise organizations, to adopt programmatic solutions. Industries like healthcare, retail, and logistics were early adopters, needing to fill high-volume roles quickly. Other industries like tech and financial services are adopting programmatic today as well. Although adoption has increased, we still have a long way to go to make this mainstream in TA.

Focus on ROI: With tightened budgets, companies prioritized solutions that provided measurable results. Programmatic advertising demonstrated clear ROI by optimizing ad spend and reducing costs associated with ineffective job postings.

Adaptation to Remote Workforces: The shift to remote and hybrid work models expanded candidate pools geographically. Programmatic technology adapted by targeting job seekers based on skills and preferences rather than location, ensuring broader reach and relevancy.

Enhanced Capabilities and Integration

Since 2020, programmatic job advertising has evolved in sophistication and integration with other recruitment technologies.

1 | AI and Machine Learning Advancements:

These technologies now drive smarter, real-time decisions in ad placement, improving targeting and reducing spend. Predictive analytics help identify the best-performing channels for specific roles.

2. | Integration with Talent Acquisition Tech Stacks:

Programmatic advertising platforms have increasingly integrated with applicant tracking systems (ATS) and CRM and talent attraction solutions.

3 | DEI (Diversity, Equity, Inclusion) Impact:

Programmatic advertising has become a vital tool in reaching under-represented groups by targeting diverse job boards and underutilized talent sources, aligning recruitment efforts with organizational DEI goals.

While adoption has grown, many organizations still struggle to understand programmatic job advertising fully. We found that **1 in 2 companies** remain unclear about what programmatic entails, reflecting a need for greater education and awareness. Additionally, less than 20% of companies stated that their TA teams work with marketing teams to better utilize programmatic job advertising strategies.



4

Benefits of Programmatic Job Advertising



Increased quality of hire

74%

Increased diversity of applicants

56%

Manage volume of applicants

52%

Reduce cost of candidate acquisition

51%



Programmatic helps companies expand their reach & improve quality of hire.

Benefits of Programmatic Job Advertising

Programmatic job advertising delivers many benefits including cost savings, greater efficiency, improved DEI, and quality of hire. When asked what the top benefits of investing in programmatic would be, 74% stated quality of hire. Programmatic helps companies expand their reach and improve quality of hire.

By leveraging automation, data, and precision targeting, programmatic advertising addresses critical challenges and creates value for every stakeholder in the recruitment journey.

For the Candidate

Programmatic job advertising enhances the candidate experience by delivering personalized and relevant job opportunities.

Better Job Matches: By using data to target ads, programmatic ensures candidates see positions aligned with their skills, interests, and preferences, reducing irrelevant job postings.

Increased Accessibility: Candidates from diverse backgrounds are more likely to discover opportunities through targeted outreach to underrepresented groups, supporting DEI initiatives.

Improved Engagement: A streamlined advertising approach directs candidates to well-optimized application processes, minimizing friction and enhancing their overall experience.



For the Recruiter

Recruiters benefit significantly from the efficiency and precision of programmatic job advertising, enabling them to focus on strategic activities rather than administrative tasks.

Time Savings: Automation eliminates the need for manual job ad posting, negotiating placements, and monitoring performance. On average, a recruiter can spend 10 hours a week on manual advertising.

Enhanced Decision-Making: Real-time analytics provide insights into which channels perform best, helping recruiters allocate resources more effectively.

Reduced Workload: By automating ad placements and budget adjustments, programmatic frees up recruiters to focus on sourcing, interviewing, and building relationships with candidates.

For the Hiring Manager

Programmatic advertising helps hiring managers by ensuring a consistent pipeline of high-quality candidates for their open positions.

Higher Quality Applicants: By targeting ads to the right audiences, programmatic delivers candidates with the skills and experience needed for specific roles.

Faster Hiring: Optimized campaigns reduce time-to-fill by improving the flow of qualified applicants into the recruitment funnel.

Transparency in Results: Managers can track progress through dashboards and metrics, ensuring alignment between recruitment efforts and hiring goals.

For the Organization

At an organizational level, programmatic job advertising drives strategic outcomes, reducing costs and supporting broader business objectives.

Cost Efficiency: Programmatic reduces wasted spend by focusing resources on the most effective channels and eliminating low-performing ad placements.

Scalability: Whether the organization is hiring for high-volume roles or niche positions, programmatic adapts to meet changing needs.

Support for DEI Goals: By diversifying advertising reach, organizations can attract a broader range of candidates, contributing to inclusive hiring practices.

Improved ROI: Automated optimization ensures that every dollar spent on job advertising yields measurable results, aligning recruitment efforts with financial objectives.



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5

Improvements with Programmatic Job Advertising

Time savings

Conversion rates

Quality of hire

Cost savings

Using programmatic job advertising
Not using programmatic job advertising



1 IN 3

COMPANIES THAT ARE USING PROGRAMMATIC ARE LOOKING TO REPLACE THEIR PROVIDERS IN 2025

Companies that use programmatic job advertising see significant improvements in recruiter time savings, conversion rates, quality of hire, cost savings (see Figure 5).

The benefits of programmatic job advertising ripple through every layer of talent acquisition, addressing unique challenges and delivering tangible results. From candidates experiencing a more engaging process to organizations achieving their strategic hiring goals, programmatic advertising is a critical tool for modern recruitment success.

Evaluating Programmatic Job Advertising Providers

Currently, 1 in 3 companies that are using programmatic are looking to replace their providers in 2025. When asked what companies are prioritizing from a new provider, price and customer support were top priorities. AI is another factor in replacing programmatic providers and gives companies even greater possibility in efficiency. (see Figure 6).

6

Beliefs about the Role of AI in Programmatic Job Advertising Providers



18%	Greatly enhance
27%	Somewhat enhance
10%	Neutral
8%	Somewhat reduce effectiveness
6%	Greatly reduce effectiveness
31%	Unsure

AI, intelligent agents, and generative AI are set to revolutionize programmatic job advertising by making it more efficient, personalized, and data-driven. Traditional job advertising relies on static job descriptions and manual targeting, but AI-powered systems can dynamically generate tailored job ads based on candidate preferences, behavior, and real-time market trends. Intelligent agents will automate bidding and ad placement, optimizing campaigns across multiple platforms while reducing costs. Generative AI can create highly engaging and customized job descriptions, social media posts, and ad copy that resonate with different candidate segments. These advancements will lead to higher-quality applicants, improved hiring speed, and a more strategic, automated approach to talent acquisition.

As the adoption of programmatic job advertising grows, companies have several options for implementing this strategy. Choosing the right approach depends on factors such as budget, hiring goals, internal resources, and the level of expertise available within the organization. Below, we explore three primary options for buying programmatic job advertising: **pure-play providers**, **agencies that use technology**, and **ATS providers**.

Pure-Play Programmatic Providers

Pure-play providers specialize exclusively in programmatic job advertising and offer advanced technology platforms designed to optimize recruitment advertising campaigns. These providers are often at the forefront of innovation in the programmatic space, offering robust features such as AI-driven targeting, real-time bidding, and performance analytics. They often include additional TA solutions that may include conversational AI/communication or recruitment marketing/CRM.

Key Features:

Focus on Specialization: Pure-play providers focus solely on programmatic job advertising, ensuring that their technology is cutting-edge and tailored to recruitment needs.

Comprehensive Analytics: These platforms provide detailed insights into campaign performance, enabling precise adjustments to maximize ROI.

Customization: Pure-play providers often offer extensive customization options, allowing organizations to tailor campaigns to specific hiring goals and target audiences.



Generative AI can create highly engaging and customized job descriptions, social media posts, and ad copy that resonate with different candidate segments.





Agencies That Use Programmatic Technology

Some recruitment marketing agencies integrate programmatic technology into their services, offering companies a managed approach to job advertising. These agencies act as intermediaries, leveraging their expertise to design, implement, and manage campaigns on behalf of their clients.

Key Features:

Managed Services: Agencies handle the end-to-end process, including ad placements, budget allocation, and performance monitoring.

Access to Technology: Agencies use programmatic platforms to optimize campaigns while providing their clients with insights and recommendations.

Strategy and Creative Support: Many agencies also offer strategic guidance and creative services to enhance the effectiveness of job ads.



ATS Providers with Programmatic Capabilities

Some ATS Providers partner with programmatic job advertising providers and white label their services. These solutions allow companies to manage job postings, candidate applications, and advertising campaigns from a single system.

Key Features:

Seamless Integration: Programmatic capabilities are embedded within the ATS, streamlining workflows and reducing the need for additional tools.

Unified Data: Companies can manage their advertising and recruiting data in one place, providing a holistic view of the recruitment funnel.

Basic Programmatic Features: While not as advanced as pure-play providers, ATS-based solutions offer essential features like budget automation and performance tracking.

Key Trends Influencing the Future of Programmatic Job Advertising

Below are the key trends shaping programmatic job advertising in today's market.

AI Advancements

AI and machine learning are at the forefront of programmatic innovation. These technologies analyze vast amounts of data to identify patterns and predict outcomes, enabling more precise targeting and candidate engagement.

Enhanced Targeting: AI algorithms ensure job ads are shown to the most relevant audiences, improving the quality of applicants.

Dynamic Optimization: Machine learning adapts campaigns in real-time, fine-tuning placements based on performance metrics.

Engagement Strategies: By understanding candidate behavior, programmatic tools craft personalized experiences, increasing interest and applications.

Real-Time Bidding and Predictive Analytics: Optimized Ad Placements

RTB and predictive analytics ensure companies get the best value for their ad spend while maximizing impact.

RTB in Action: Real-time systems dynamically bid for ad placements, prioritizing high-performing channels while reducing wasted spend.

Predictive Insights: Analytics leverage historical data to forecast campaign outcomes, guiding strategic decisions on where and how to advertise.

Cost Efficiency: By predicting which platforms will yield the best results, programmatic ensures every dollar spent contributes to measurable ROI.



AI and machine learning are at the forefront of programmatic innovation.





Programmatic job advertising plays a pivotal role in advancing DEI goals by broadening access to underrepresented talent pools.

Diversity and Inclusion: Targeting Diverse Candidate Groups

Programmatic job advertising plays a pivotal role in advancing DEI goals by broadening access to underrepresented talent pools.

Expanding Reach: Programmatic tools identify and target diverse job boards and platforms that cater to underrepresented communities.

Custom Campaigns: Advertisements can be tailored to highlight organizational commitments to diversity and inclusion.

Equitable Outcomes: By using data-driven targeting, companies can attract a more representative candidate pool, aligning hiring practices with DEI initiatives.

Multi-Channel Campaigns: Expanding Beyond Single Platforms

Today's talent market demands a multi-channel approach to job advertising, and programmatic enables seamless management across platforms.

Omnichannel Reach: Programmatic campaigns extend across job boards, social media, and niche platforms, ensuring visibility wherever candidates are searching.

Single Dashboards: Tools consolidate advertising efforts into a single dashboard, streamlining workflows and improving tracking.

Increased Impact: A multi-channel strategy diversifies reach and improves the likelihood of connecting with top talent.



Brand Alignment: Storytelling and Cultural Fit

As candidates increasingly consider organizational culture in their job searches, programmatic advertising incorporates storytelling to align with a company's brand.

Cultural Messaging: Programmatic tools help craft advertisements that reflect company values, attracting candidates who resonate with the brand.

Storytelling at Scale: By showcasing employee stories, benefits, and culture, companies can humanize their brand to engage talent meaningfully.

Consistency Across Channels: Programmatic ensures brand alignment in messaging, visuals, and tone across all platforms.

These emerging trends underscore the transformative potential of **programmatic job advertising** in talent acquisition. By leveraging AI, real-time bidding, and data-driven insights, companies can optimize ad placements, reach diverse candidates, and strengthen their employer brand. As programmatic continues to evolve, organizations that adopt these trends will not only improve hiring outcomes but also position themselves as leaders in a competitive talent market.

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