

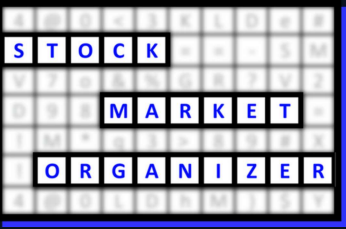
Industry Status: Computer Software & Services

1 week 10/05/23 to 10/12/23								
9Weakest	8VWeak	7Weaker	6Weak	5Avg	4Strong	3Stronger	2VStrong	1Strongest
.	.	.	201 SOFTWARE->	201 SOFTWARE->	.	.	.	.
.	.	.	.	94 Application	.	.	.	.
.	.	.	48 BusSW/Srv	.	.	.	.	.
.	.	.	8 HCareInfoSrv	.	.	.	.	.
.	5 Info/DelivSrv	.	.	.
.	.	.	25 InfoTechSrv->	25 InfoTechSrv->	.	.	.	.
.	.	.	7 MMdia/Grphcs->	7 MMdia/Grphcs->	7 MMdia/Grphcs->	.	.	.
.	.	.	.	5 Secrty S/Srv	.	.	.	.
.	.	.	.	9 Tech/Sys SW	.	.	.	.
.

October 12, 2023

UP +1 to AVERAGE strength rating
(5th strongest of 9 levels),
previous move was DOWN

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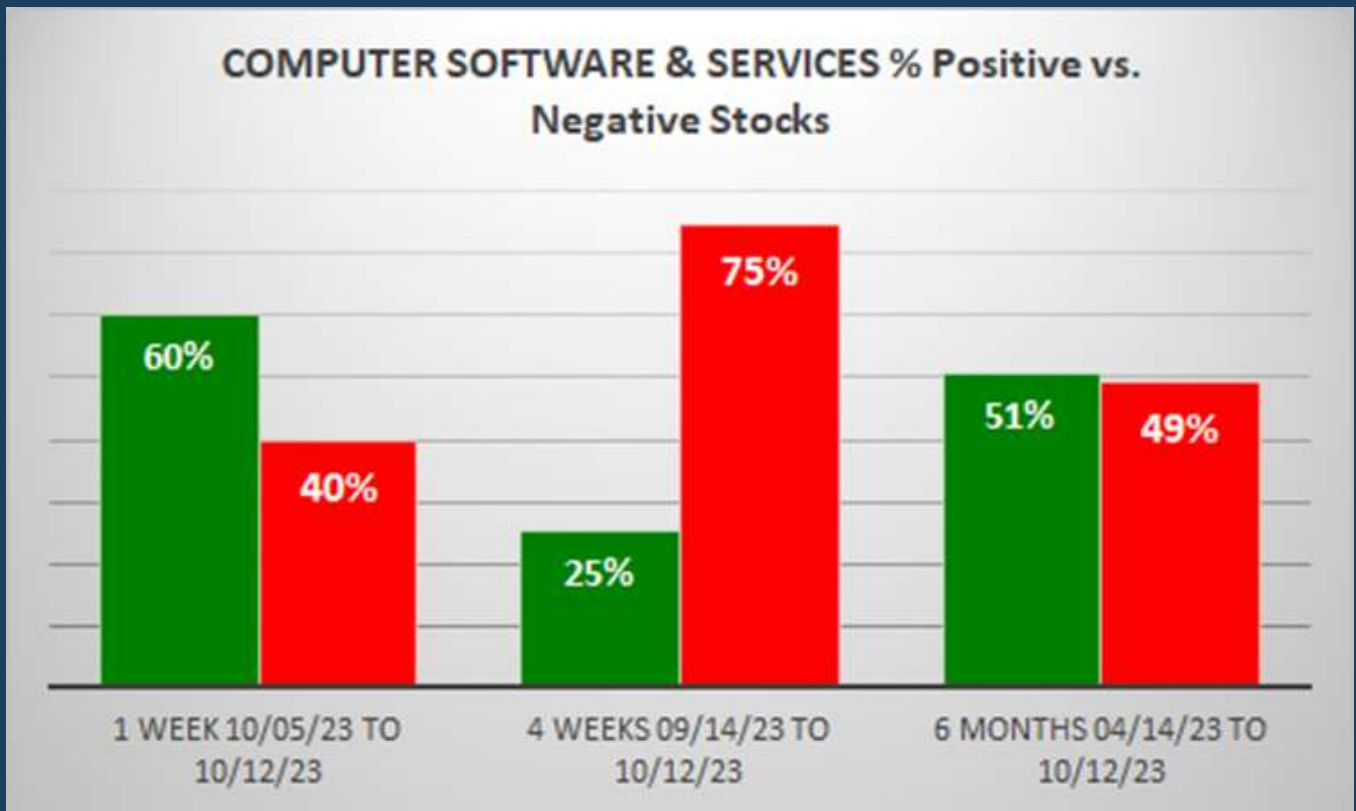
1. INDUSTRY OVERVIEW

1A. Performance

Past 10 Weeks Strengthening/Weakening week-by-week, per the following chart:

9Weakest	8VWeak	7Weaker	6Weak	5Avg	4Strong	3Stronger	2VStrong	1Strongest	Period
.	.	.	201 SOFTWARE->	201 SOFTWARE->	.	.	.	.	7 Days - 10/05/23 to 10/12/23
.	.	.	<-SOFTWARE 201	<-SOFTWARE 201	.	.	.	.	7 Days - 09/28/23 to 10/05/23
.	.	.	.	201 SOFTWARE	.	.	.	.	7 Days - 09/21/23 to 09/28/23
.	.	.	.	201 SOFTWARE	.	.	.	.	7 Days - 09/14/23 to 09/21/23
.	.	.	.	<-SOFTWARE 201	<-SOFTWARE 201	.	.	.	7 Days - 09/07/23 to 09/14/23
.	201 SOFTWARE	.	.	.	7 Days - 08/31/23 to 09/07/23
.	.	.	.	201 SOFTWARE->	201 SOFTWARE->	.	.	.	7 Days - 08/24/23 to 08/31/23
.	.	.	.	201 SOFTWARE	.	.	.	.	7 Days - 08/17/23 to 08/24/23
.	.	.	.	<-SOFTWARE 201	<-SOFTWARE 201	.	.	.	7 Days - 08/10/23 to 08/17/23
.	201 SOFTWARE	.	.	.	7 Days - 08/03/23 to 08/10/23

STRENGTHENING 1 Week vs. Mid- and Longer-Term // 1 week positive/negative stocks ratio is HIGHER than both 4 weeks and 6 Months, per the following chart:



1B. Background

Largest of 8 sub-industries (201 stocks, average 25):

- * Application Software (94 stocks)
- * Business Software & Services (48 stocks)
- * Information Technology Services (25 stocks)

Top 10 by Market Capitalization:

MSFT/Microsoft Corp, ORCL/Oracle Corp, ADBE/Adobe Systems Inc, CRM/Salesforce Inc, ACN/Accenture Ltd, INTU/Intuit Inc, IBM/International Business Machines Corporation, NOW/ServiceNow Inc, ADP/Automatic Data Processing Inc, UBER/Uber Technologies

2. SUB-INDUSTRIES AND STOCKS DETAIL

2A. Sub-Industries Overview

Strengthened: 2/8 sub-industries

Weakened: 0/8 sub-industries

STRONGEST at Strong rating/4th strongest of 9 levels:

- * Information & Delivery Service (5 stocks)
- * Multimedia & Graphics Software (7 stocks)

WEAKEST at Weak rating/6th strongest of 9 levels:

- * Business Software & Services (48 stocks)
- * Healthcare Information Service (8 stocks)

2B. Sub-Industries 10-Week Strengthening Analysis

What: recent week-by-week strength changes for the industry and each underlying sub-industry

Why: objective measurement of strengthening and weakening enabling comparison within and across industries and sub-industries

INDUSTRY CURRENT PERIOD SUMMARY										1 week 10/05/23 to 10/12/23									
Length - Begin/End	Industry/Sub-Industry	Period	#	Min	Avg	Max	Status	1Weakest	2VWeak	3ZWeaker	4SWeak	5Avg	6Strong	7Stronger	8ZStrong	9Strongest			
7 Days - 10/05/23 to 10/12/23	COMPUTER SOFTWARE & SERVICES	Period 1 of 10 (Current)	201	-4%	1%	13%	Strengthened				201 SOFTWARE->	201 SOFTWARE->							
7 Days - 10/05/23 to 10/12/23	COMPUTER SOFTWARE & SERVICES - Application Software	Period 1 of 10 (Current)	94	-8%	2%	13%	Strengthened				94 Application								
7 Days - 10/05/23 to 10/12/23	COMPUTER SOFTWARE & SERVICES - Business Software & Service	Period 1 of 10 (Current)	48	-4%	1%	11%	Unchanged				48 BusSW/Srv								
7 Days - 10/05/23 to 10/12/23	COMPUTER SOFTWARE & SERVICES - Healthcare Information Ser	Period 1 of 10 (Current)	8	-11%	0%	12%	Strengthened				8 HCareInfoSrv								
7 Days - 10/05/23 to 10/12/23	COMPUTER SOFTWARE & SERVICES - Information & Delivery Sen	Period 1 of 10 (Current)	5	0%	2%	6%	Strengthened								5 Info/DelivSrv				
7 Days - 10/05/23 to 10/12/23	COMPUTER SOFTWARE & SERVICES - Information Technology Sen	Period 1 of 10 (Current)	25	-11%	-1%	7%	Strengthened				25 InfoTechSrv->	25 InfoTechSrv->							
7 Days - 10/05/23 to 10/12/23	COMPUTER SOFTWARE & SERVICES - Multimedia & Graphics Sof	Period 1 of 10 (Current)	7	0%	3%	9%	Strengthened				7 MMdia/Grphcs->	7 MMdia/Grphcs->	7 MMdia/Grphcs->						
7 Days - 10/05/23 to 10/12/23	COMPUTER SOFTWARE & SERVICES - Security Software & Service	Period 1 of 10 (Current)	5	-8%	1%	13%	Unchanged								5 Secry S/Srv				
7 Days - 10/05/23 to 10/12/23	COMPUTER SOFTWARE & SERVICES - Technical & System Softwa	Period 1 of 10 (Current)	9	-2%	2%	8%	Strengthened								9 Tech/Sys SW				

PREVIOUS WEEKS (EDUCATIONAL PURPOSES ONLY/NOT A STOCK OR INVESTMENT RECOMMENDATION)																
Length - Begin/End	Industry/Sub-Industry	Period	#	Min	Avg	Max	Status	1Weakest	2VWeak	3ZWeaker	4SWeak	5Avg	6Strong	7Stronger	8ZStrong	9Strongest
7 Days - 10/05/23 to 10/12/23	COMPUTER SOFTWARE & SERVICES	Period 1 of 10 (Current)	201	-4%	1%	13%	Strengthened				201 SOFTWARE->	201 SOFTWARE->				
7 Days - 09/28/23 to 10/05/23	COMPUTER SOFTWARE & SERVICES	Period 2 of 10	201	-3%	2%	8%	Strengthened				<-SOFTWARE 201	<-SOFTWARE 201				
7 Days - 09/21/23 to 09/28/23	COMPUTER SOFTWARE & SERVICES	Period 3 of 10	201	-1%	1%	23%	Unchanged				201 SOFTWARE					
7 Days - 09/14/23 to 09/21/23	COMPUTER SOFTWARE & SERVICES	Period 4 of 10	201	-2%	-5%	18%	Weakened				<-SOFTWARE 201	<-SOFTWARE 201				
7 Days - 09/07/23 to 09/14/23	COMPUTER SOFTWARE & SERVICES	Period 5 of 10	201	-14%	-1%	13%	Weakened				<-SOFTWARE 201	<-SOFTWARE 201				
7 Days - 08/31/23 to 09/07/23	COMPUTER SOFTWARE & SERVICES	Period 6 of 10	201	-25%	-1%	30%	Unchanged				201 SOFTWARE	201 SOFTWARE				
7 Days - 08/24/23 to 08/31/23	COMPUTER SOFTWARE & SERVICES	Period 7 of 10	201	-37%	5%	51%	Strengthened				201 SOFTWARE->	201 SOFTWARE->				
7 Days - 08/17/23 to 08/24/23	COMPUTER SOFTWARE & SERVICES	Period 8 of 10	201	-17%	0%	18%	Strengthened				201 SOFTWARE					
7 Days - 08/10/23 to 08/17/23	COMPUTER SOFTWARE & SERVICES	Period 9 of 10	201	-31%	-4%	51%	Weakened				<-SOFTWARE 201	<-SOFTWARE 201				
7 Days - 08/03/23 to 08/10/23	COMPUTER SOFTWARE & SERVICES	Period 10 of 10	201	-46%	-4%	27%	Weakened				<-SOFTWARE 201	<-SOFTWARE 201				

Green Highlight: Strengthened
 Red Highlight: Weakened
 No Highlight: Unchanged

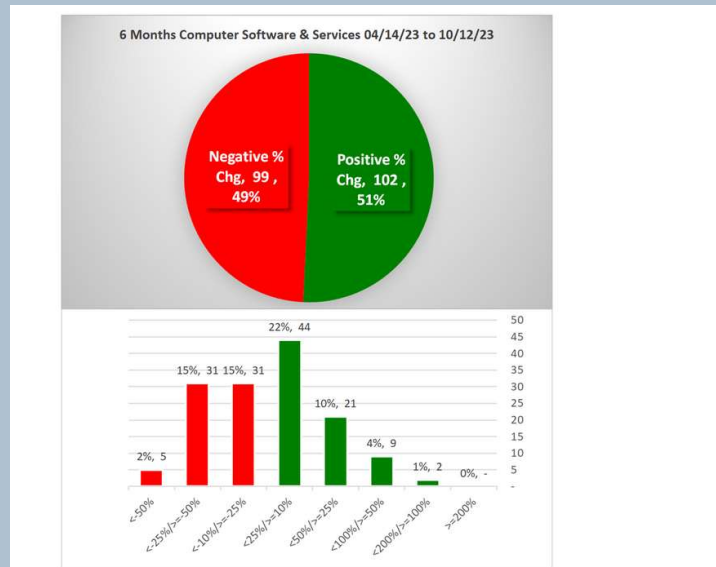


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For educational purposes only. Not a stock or investment recommendation.

3. STRENGTH BY LOOKBACK PERIOD (with Best/Worst stocks)

3A. Lookback 6 Months



Tick	Be	f	%	Company	Sub-Industry
APP	04/14/23	10/12/23	141%	Applovin Corp	COMPUTER SOFTWARE & SERVICES - Application Software
PLTR	04/14/23	10/12/23	104%	Palantir Technologies Inc	COMPUTER SOFTWARE & SERVICES - Security Software & Services
AVPT	04/14/23	10/12/23	76%	AvePoint Inc	COMPUTER SOFTWARE & SERVICES - Application Software
AFRM	04/14/23	10/12/23	68%	Affirm Holdings Inc	COMPUTER SOFTWARE & SERVICES - Information Technology Services
DMRC	04/14/23	10/12/23	64%	Digimarc Corporation	COMPUTER SOFTWARE & SERVICES - Information Technology Services
MDB	04/14/23	10/12/23	63%	MongoDB Inc	COMPUTER SOFTWARE & SERVICES - Application Software
SPLK	04/14/23	10/12/23	62%	Splunk Inc	COMPUTER SOFTWARE & SERVICES - Application Software
ZS	04/14/23	10/12/23	62%	Zscaler Inc	COMPUTER SOFTWARE & SERVICES - Business Software & Services
DELL	04/14/23	10/12/23	60%	Dell Technologies Inc	COMPUTER SOFTWARE & SERVICES - Business Software & Services
BILL	04/14/23	10/12/23	53%	Bill.com Holdings	COMPUTER SOFTWARE & SERVICES - Application Software
NTNX	04/14/23	10/12/23	52%	Nutanix Inc	COMPUTER SOFTWARE & SERVICES - Business Software & Services
BAND	04/14/23	10/12/23	-26%	Bandwidth Inc	COMPUTER SOFTWARE & SERVICES - Business Software & Services
DOCU	04/14/23	10/12/23	-26%	DocuSign Inc	COMPUTER SOFTWARE & SERVICES - Application Software
YEXT	04/14/23	10/12/23	-26%	Yext	COMPUTER SOFTWARE & SERVICES - Business Software & Services
SHLS	04/14/23	10/12/23	-27%	Shoals Technologies Group Inc	COMPUTER SOFTWARE & SERVICES - Application Software
TDCC	04/14/23	10/12/23	-28%	Teladoc Health Inc	COMPUTER SOFTWARE & SERVICES - Healthcare Information Service
RDWR	04/14/23	10/12/23	-29%	Radware Ltd	COMPUTER SOFTWARE & SERVICES - Information Technology Services
CCRD	04/14/23	10/12/23	-29%	CoreCard Corporation	COMPUTER SOFTWARE & SERVICES - Technical & System Software
SQ	04/14/23	10/12/23	-29%	Block Inc	COMPUTER SOFTWARE & SERVICES - Application Software
LAZR	04/14/23	10/12/23	-29%	Luminar Technologies Inc	COMPUTER SOFTWARE & SERVICES - Application Software
BCOV	04/14/23	10/12/23	-29%	Brightcove Inc	COMPUTER SOFTWARE & SERVICES - Application Software
DOCN	04/14/23	10/12/23	-30%	DigitalOcean Holdings Inc	COMPUTER SOFTWARE & SERVICES - Business Software & Services
MODN	04/14/23	10/12/23	-30%	Model N Inc	COMPUTER SOFTWARE & SERVICES - Application Software
PERI	04/14/23	10/12/23	-32%	Perion Network Ltd	COMPUTER SOFTWARE & SERVICES - Business Software & Services
SCWX	04/14/23	10/12/23	-32%	SecureWorks Corp. Class A	COMPUTER SOFTWARE & SERVICES - Application Software
RIOT	04/14/23	10/12/23	-32%	Riot Blockchain Inc	COMPUTER SOFTWARE & SERVICES - Application Software
HCAT	04/14/23	10/12/23	-33%	Health Catalyst Inc	COMPUTER SOFTWARE & SERVICES - Healthcare Information Service
CRNC	04/14/23	10/12/23	-33%	Cerence Inc	COMPUTER SOFTWARE & SERVICES - Application Software
AYX	04/14/23	10/12/23	-35%	Alteryx Inc	COMPUTER SOFTWARE & SERVICES - Application Software
EVBG	04/14/23	10/12/23	-35%	Everbridge	COMPUTER SOFTWARE & SERVICES - Application Software
KC	04/14/23	10/12/23	-37%	Kingsoft Cloud Holdings	COMPUTER SOFTWARE & SERVICES - Application Software
PD	04/14/23	10/12/23	-38%	PagerDuty Inc	COMPUTER SOFTWARE & SERVICES - Application Software
SSTI	04/14/23	10/12/23	-42%	ShotSpotter Inc	COMPUTER SOFTWARE & SERVICES - Application Software
DOMO	04/14/23	10/12/23	-42%	Domo Inc	COMPUTER SOFTWARE & SERVICES - Application Software
TASK	04/14/23	10/12/23	-43%	TaskUs Inc	COMPUTER SOFTWARE & SERVICES - Information Technology Services
OPRX	04/14/23	10/12/23	-44%	OptimizeRx Corporation	COMPUTER SOFTWARE & SERVICES - Healthcare Information Service
VRNT	04/14/23	10/12/23	-45%	Verint Systems Inc	COMPUTER SOFTWARE & SERVICES - Business Software & Services
SE	04/14/23	10/12/23	-46%	Sea Limited	COMPUTER SOFTWARE & SERVICES - Multimedia & Graphics Software
ASUR	04/14/23	10/12/23	-46%	Asure Software Inc	COMPUTER SOFTWARE & SERVICES - Business Software & Services
OSPN	04/14/23	10/12/23	-47%	OneSpan	COMPUTER SOFTWARE & SERVICES - Security Software & Services
CPSI	04/14/23	10/12/23	-47%	Computer Programs & Systems	COMPUTER SOFTWARE & SERVICES - Healthcare Information Service
ACCD	04/14/23	10/12/23	-49%	Accolade Inc	COMPUTER SOFTWARE & SERVICES - Business Software & Services
APPS	04/14/23	10/12/23	-55%	Digital Turbine Inc	COMPUTER SOFTWARE & SERVICES - Application Software
TWOU	04/14/23	10/12/23	-57%	2U Inc	COMPUTER SOFTWARE & SERVICES - Information Technology Services
VERI	04/14/23	10/12/23	-57%	Veritone Inc	COMPUTER SOFTWARE & SERVICES - Business Software & Services
ETWO	04/14/23	10/12/23	-61%	E2open Parent Holdings Inc	COMPUTER SOFTWARE & SERVICES - Business Software & Services
EBIX	04/14/23	10/12/23	-63%	Ebix Inc	COMPUTER SOFTWARE & SERVICES - Business Software & Services

11 stocks >+50% and 36 stocks <-25% (5% and 18% of total) 04/14/23 to 10/12/23.

3. STRENGTH BY LOOKBACK PERIOD (with Best/Worst stocks)

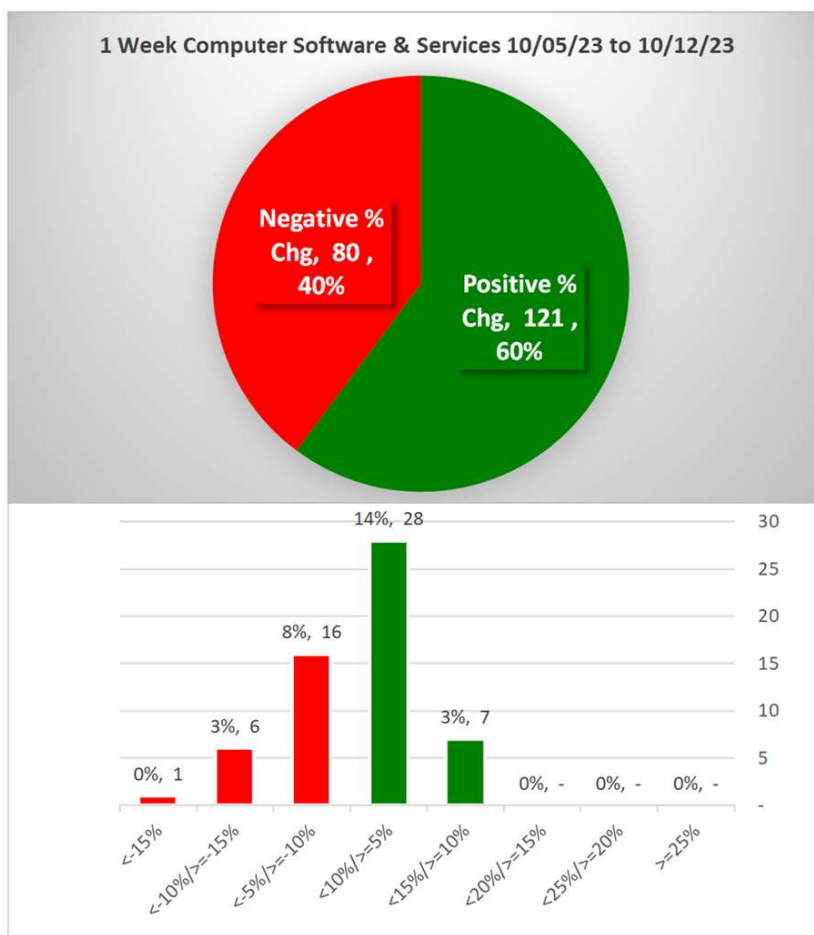
3B. Lookback 4 Weeks



4 stocks >+10% and 55 stocks <-10% (2% and 27% of total) 09/14/23 to 10/12/23.

3. STRENGTH BY LOOKBACK PERIOD (with Best/Worst stocks)

3C. Lookback 1 Week



Tick	Be	E	%	Company	Sub-Industry
CRWD	10/05/23	10/12/23	13%	CrowdStrike Holdings Inc	COMPUTER SOFTWARE & SERVICES - Application Software
PLTR	10/05/23	10/12/23	13%	Palantir Technologies Inc	COMPUTER SOFTWARE & SERVICES - Security Software & Services
ASAN	10/05/23	10/12/23	13%	Asana Inc	COMPUTER SOFTWARE & SERVICES - Application Software
OPRX	10/05/23	10/12/23	12%	OptimizeRx Corporation	COMPUTER SOFTWARE & SERVICES - Healthcare Information Service
ZS	10/05/23	10/12/23	11%	Zscaler Inc	COMPUTER SOFTWARE & SERVICES - Business Software & Services
NTNX	10/05/23	10/12/23	11%	Nutanix Inc	COMPUTER SOFTWARE & SERVICES - Business Software & Services
SHLS	10/05/23	10/12/23	10%	Shoals Technologies Group Inc	COMPUTER SOFTWARE & SERVICES - Application Software
DMRC	10/05/23	10/12/23	-10%	Digimarc Corporation	COMPUTER SOFTWARE & SERVICES - Information Technology Services
CPSI	10/05/23	10/12/23	-10%	Computer Programs & Systems	COMPUTER SOFTWARE & SERVICES - Healthcare Information Service
TASK	10/05/23	10/12/23	-11%	TaskUs Inc	COMPUTER SOFTWARE & SERVICES - Information Technology Services
HCAT	10/05/23	10/12/23	-11%	Health Catalyst Inc	COMPUTER SOFTWARE & SERVICES - Healthcare Information Service
CRCT	10/05/23	10/12/23	-11%	Cricut` Inc	COMPUTER SOFTWARE & SERVICES - Information Technology Services
ACCD	10/05/23	10/12/23	-14%	Accolade Inc	COMPUTER SOFTWARE & SERVICES - Business Software & Services
ETWO	10/05/23	10/12/23	-40%	E2open Parent Holdings Inc	COMPUTER SOFTWARE & SERVICES - Business Software & Services

7 stocks >+10% and 7 stocks <-10% (3% and 3% of total) 10/05/23 to 10/12/23.

7

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