

# Computer Programmers

Ranked

# 9

by count of job opportunities

Percentage

1.67%

of all job opportunities

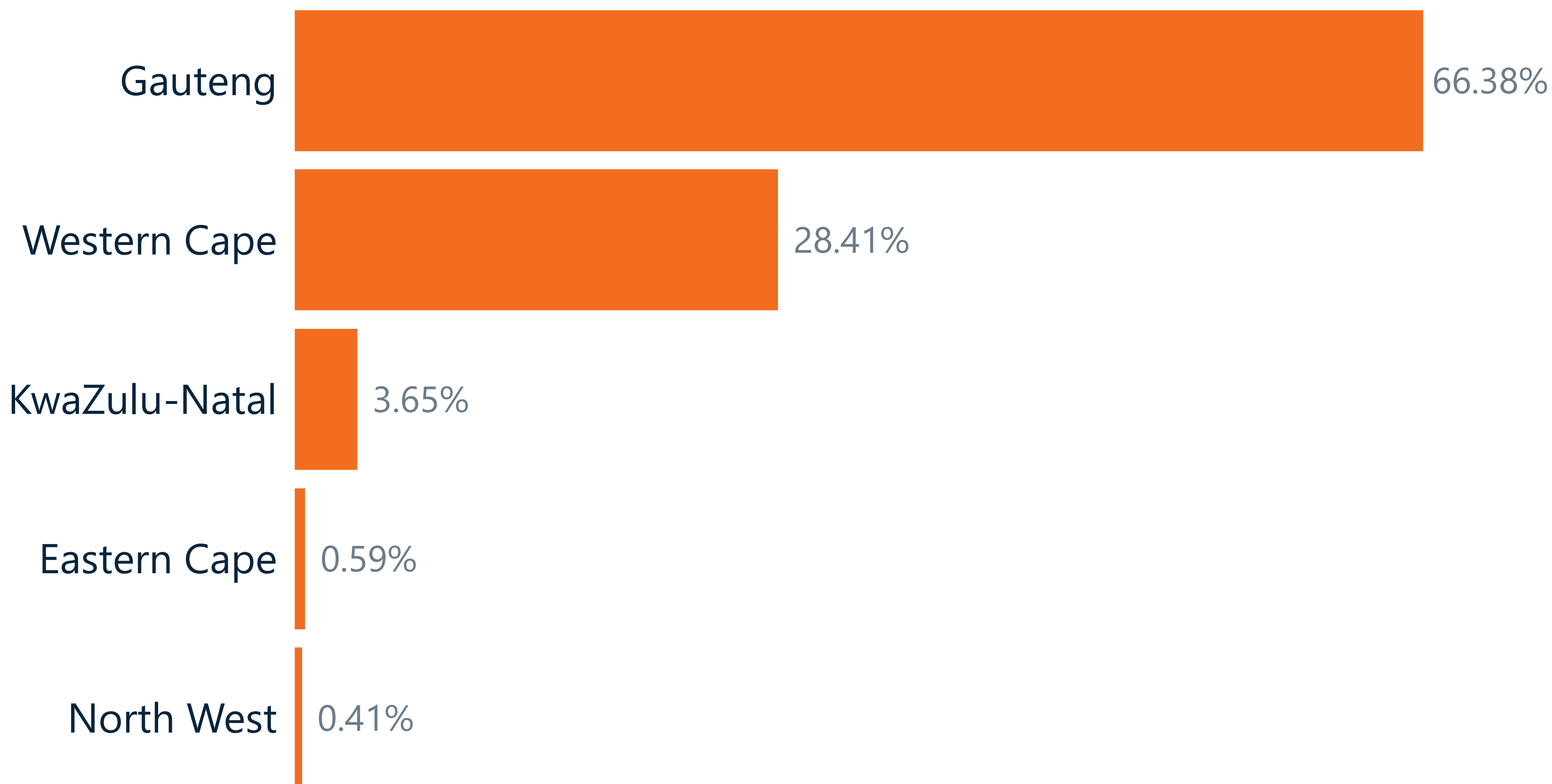
Hard-to-Fill

30.93%

% job opportunities that are "hard-to-fill"

## Top 5 Provinces

by percentage of job opportunities



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# Computer Programmers

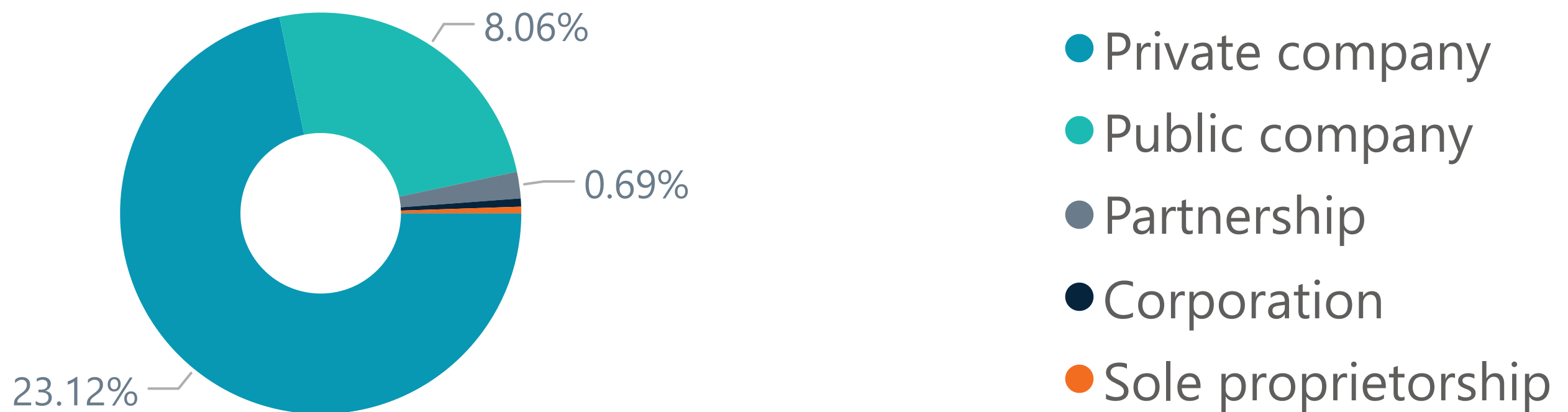
## Top 5 Industries

by percentage of job opportunities

Information and communication	61.54%
Financial and insurance activities	13.29%
Professional, scientific and technical activities	4.55%
Administrative and support activities	4.04%
Education	0.70%

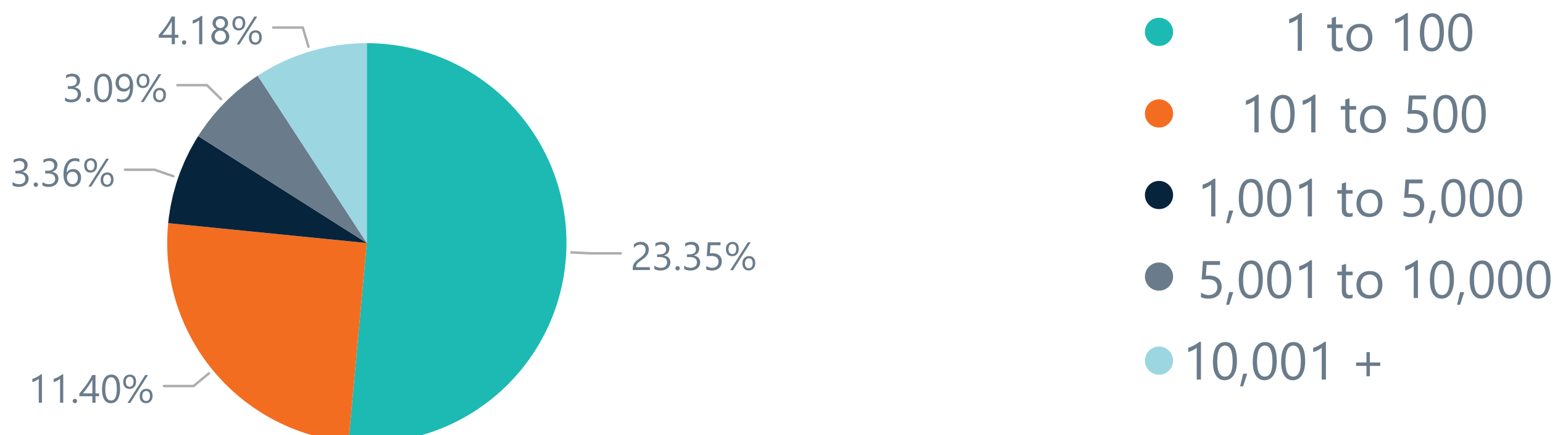
## Top 5 Company Types

by percentage of job opportunities



## Top 5 Company Sizes

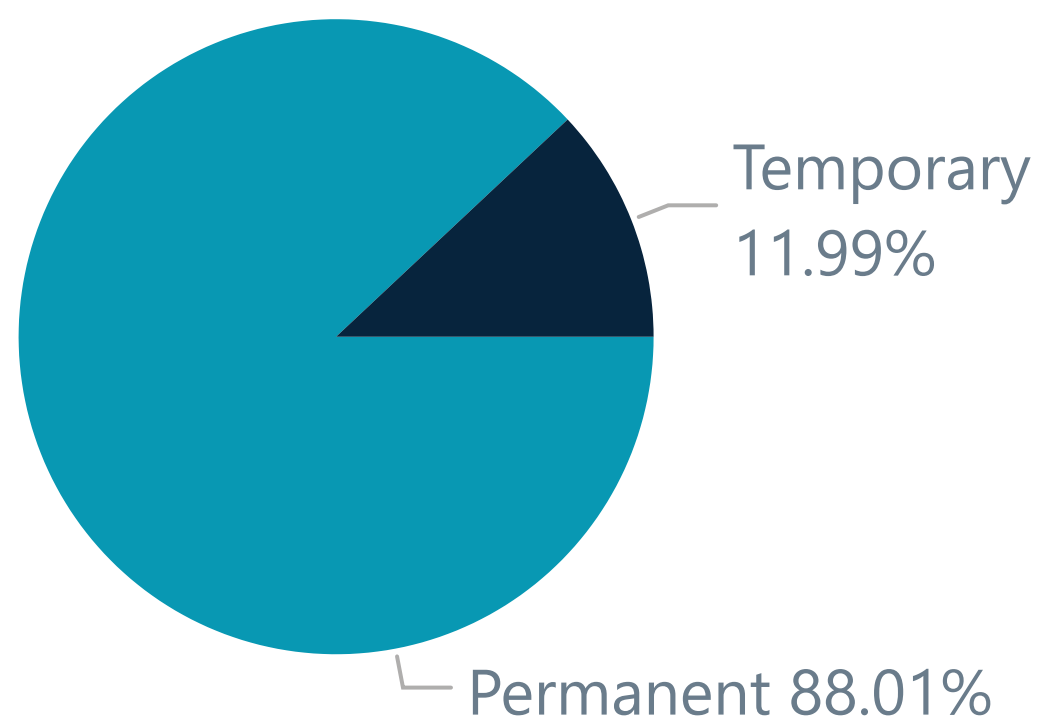
by percentage of job opportunities



# Computer Programmers

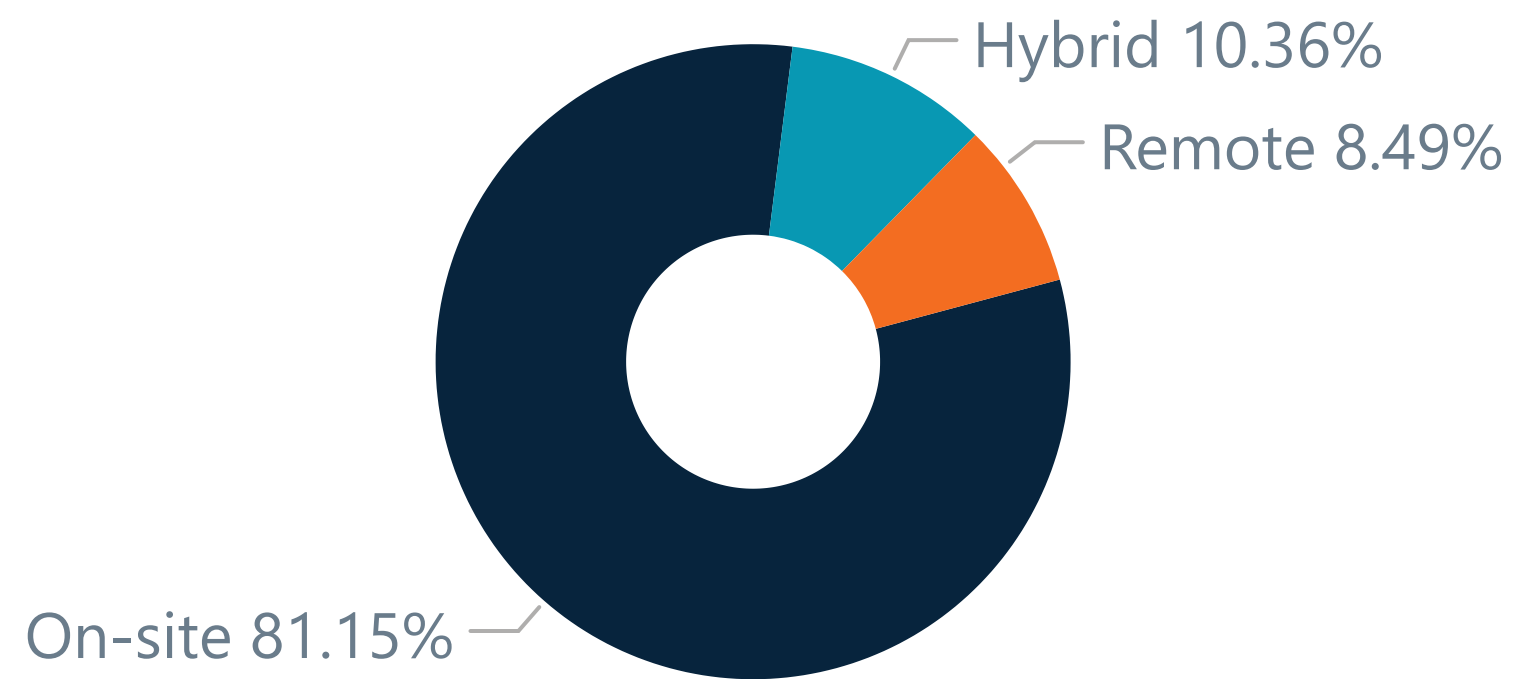
## Employment Type

percentage of job opportunities



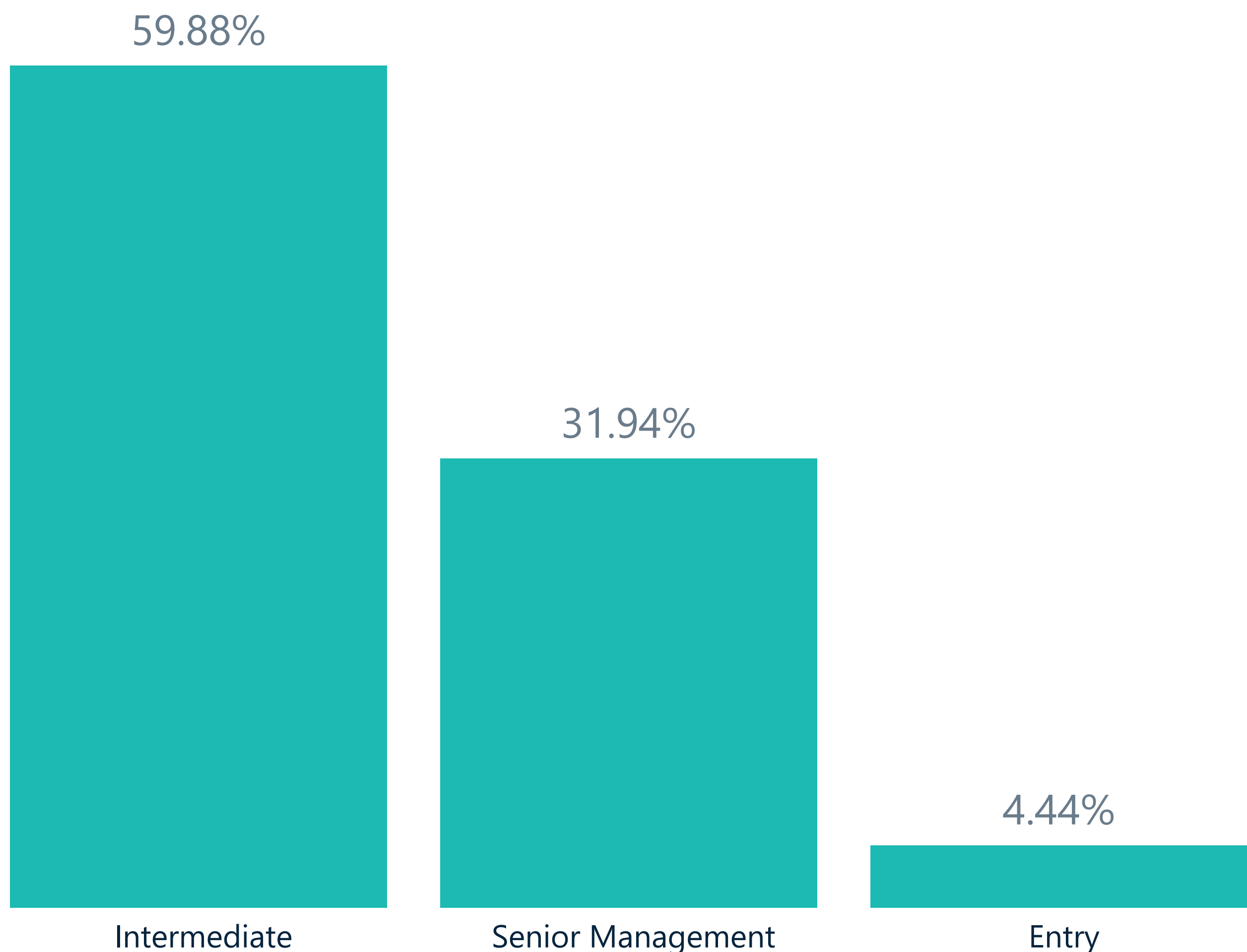
## Employment Flexibility

percentage of job opportunities



## Top 3 Employment Levels

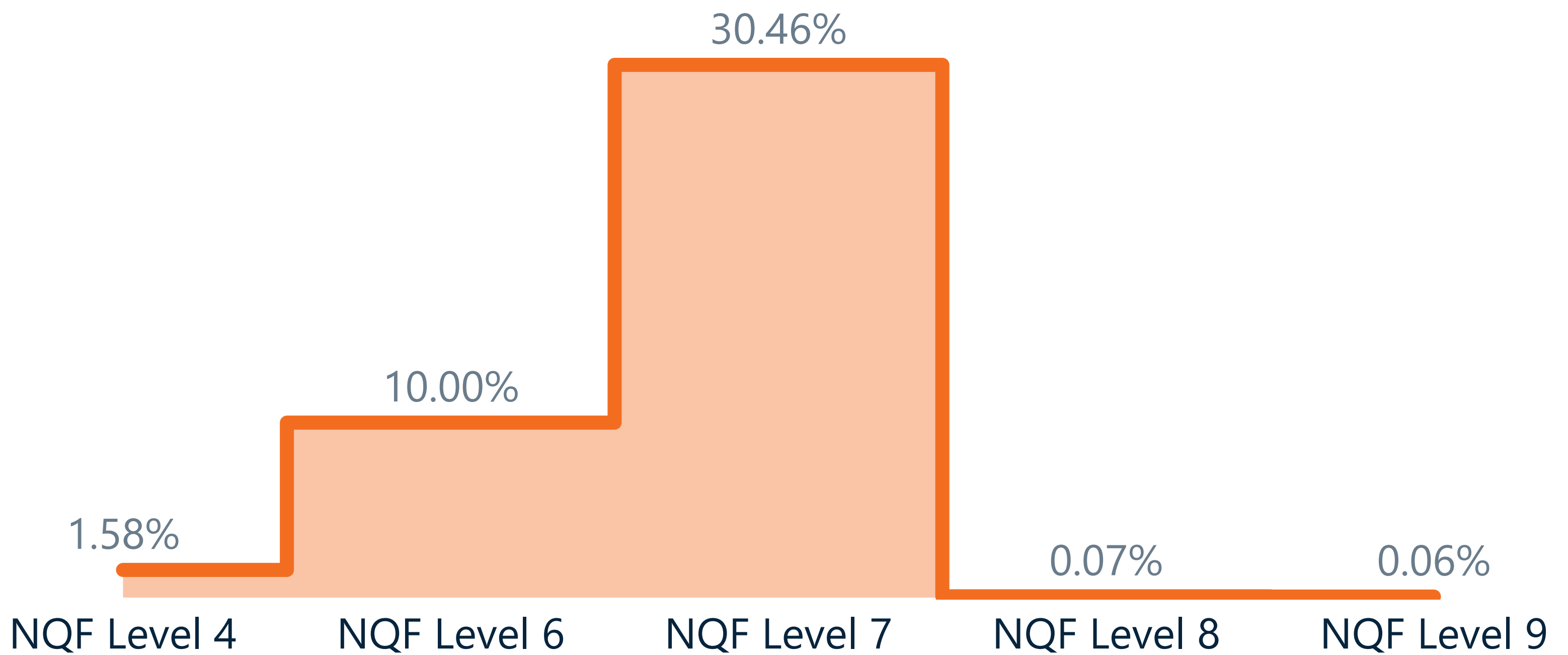
by percentage of job opportunities



# Computer Programmers

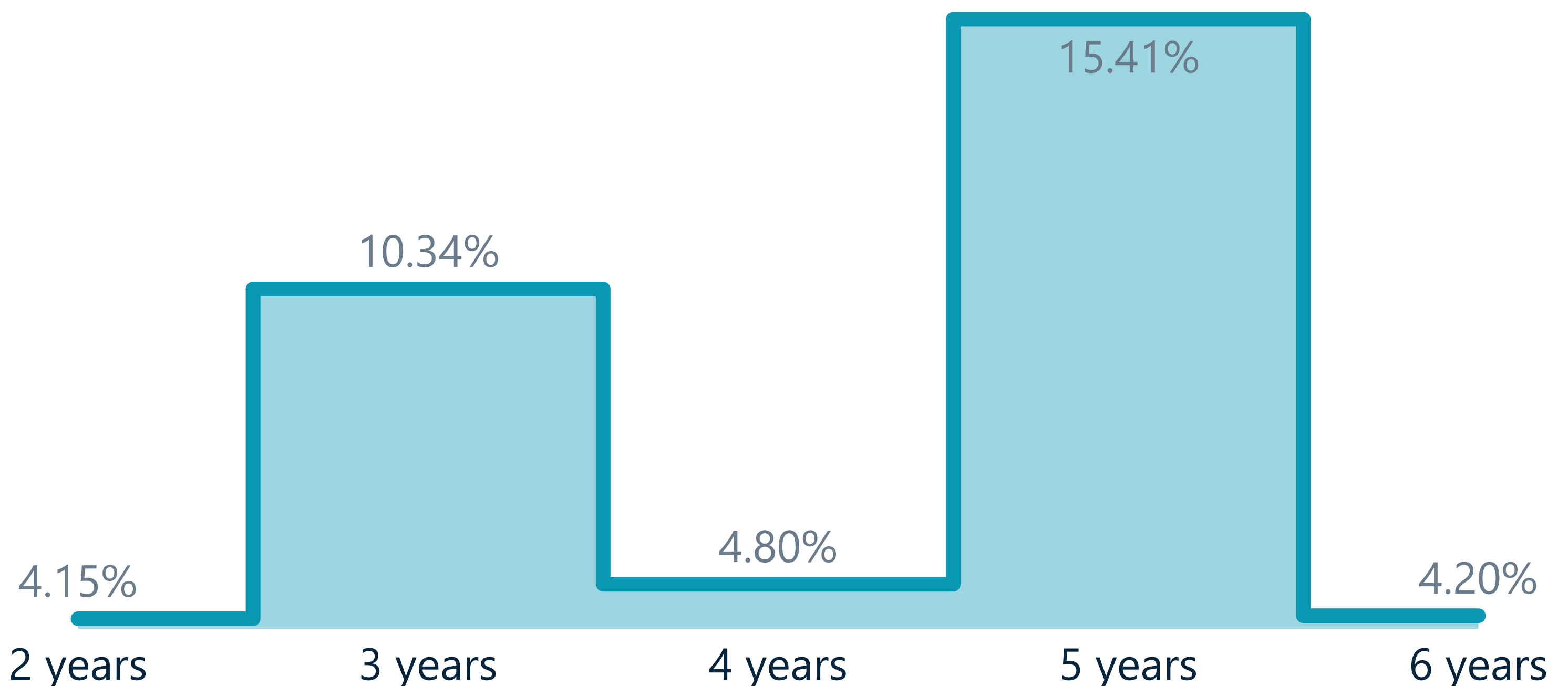
## Top 5 Minimum Qualification Level

by percentage of job opportunities



## Top 5 Minimum Years Experience

by percentage of job opportunities





# Computer Programmers



## Top 10 Required Skills

<b>Technology Design</b>	
Generating or adapting equipment and technology to serve user needs.	<b>1</b>
<b>Systems Analysis</b>	
Determining how a system should work and how changes in conditions, operations, and the environment will affect outcomes.	<b>2</b>
<b>Writing</b>	
Communicating effectively in writing as appropriate for the needs of the audience.	<b>3</b>
<b>Quality Control Analysis</b>	
Conducting tests and inspections of products, services, or processes to evaluate quality or performance.	<b>4</b>
<b>Service Orientation</b>	
Actively looking for ways to help people.	<b>5</b>
<b>Complex Problem Solving</b>	
Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.	<b>6</b>
<b>Programming</b>	
Writing computer programs for various purposes.	<b>7</b>
<b>Time Management</b>	
Managing one's own time and the time of others.	<b>8</b>
<b>Troubleshooting</b>	
Determining causes of operating errors and deciding what to do about it.	<b>9</b>
<b>Learning Strategies</b>	
Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things.	<b>10</b>



# Computer Programmers



## Top 5 Required Knowledge

<b>Design</b>	
Design techniques, tools, and principles involved in production of precision technical plans, blueprints, drawings, and models.	<b>1</b>
<b>Engineering and Technology</b>	
The practical application of engineering science and technology. This includes applying principles, techniques, procedures, and equipment to the design and production of various goods and services.	<b>2</b>
<b>Customer and Personal Service</b>	
Principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.	<b>3</b>
<b>Administration and Management</b>	
Business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership technique, production methods, and coordination of people and resources.	<b>4</b>
<b>Communications and Media</b>	
Media production, communication, and dissemination techniques and methods. This includes alternative ways to inform and entertain via written, oral, and visual media.	<b>5</b>



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## Top 10 Required Technology Skills

<b>Application server software</b>	
Docker	3
Kubernetes	5
Spring Boot	9
<b>Web platform development software</b>	
JavaScript	1
React	4
<b>File versioning software</b>	
Git	2
<b>Database management system software</b>	
MySQL	6
<b>Database user interface and query software</b>	
MySQL	6
<b>Object or component oriented development software</b>	
Python	8
<b>Object oriented data base management software</b>	
PostgreSQL	10