Software Developers

Ranked

5

by count of job opportunities

Percentage

2,91%

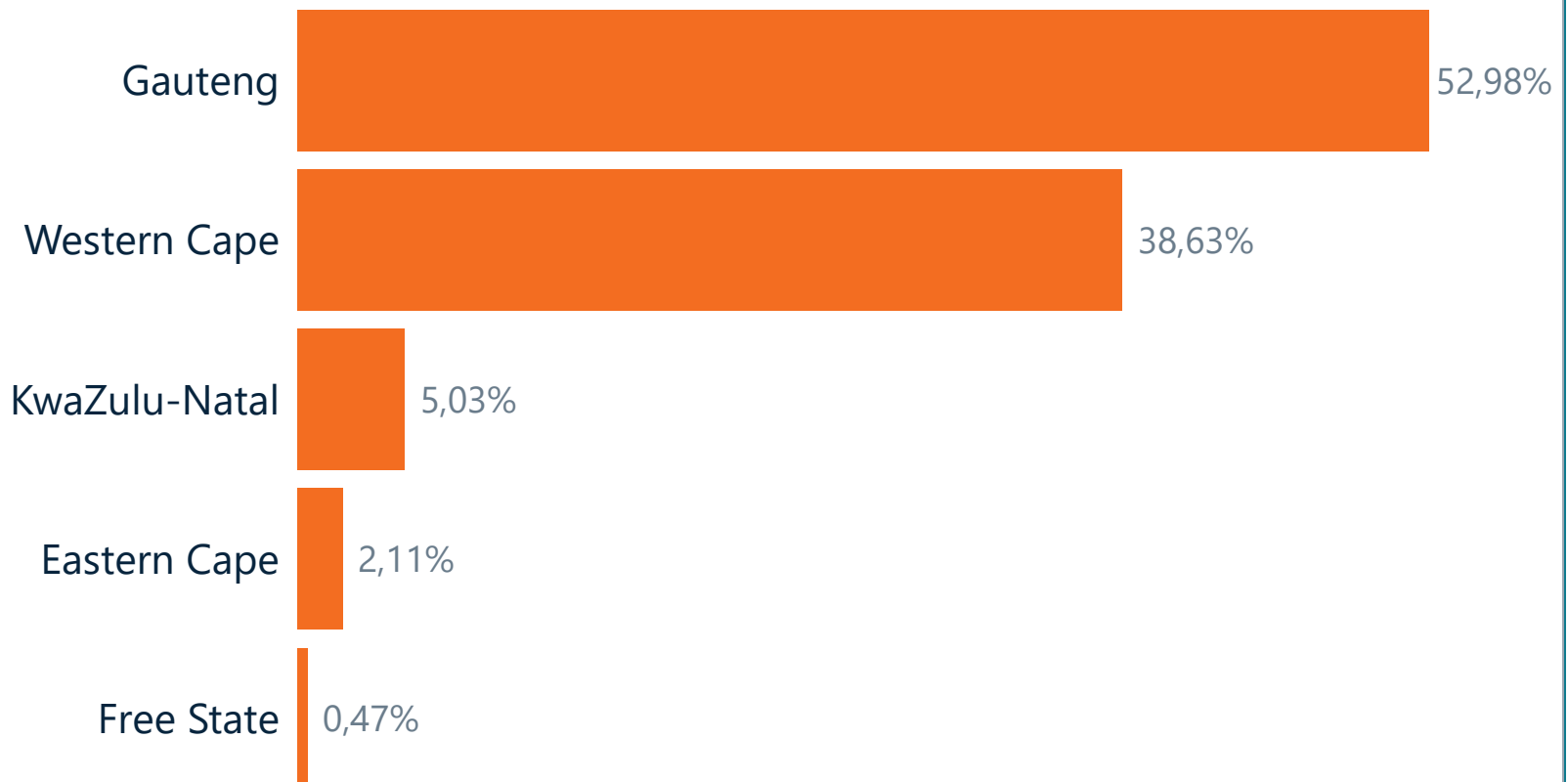of all job opportunities

Hard-to-Fill

24,67%

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

Top 5 Provinces

by percentage of job opportunities

Province	Percentage
Gauteng	52,98%
Western Cape	38,63%
KwaZulu-Natal	5,03%
Eastern Cape	2,11%
Free State	0,47%

KULULEKO CONSULTING

Software Developers

Top 5 Industries

by percentage of job opportunities

Information and communication	51,29%
Administrative and support activities	8,36%
Financial and insurance activities	7,52%
Professional, scientific and technical activities	5,28%
Wholesale and retail trade	1,33%

Top 5 Company Types

by percentage of job opportunities

6,81%

0,55%

32,56%

- Private company
- Public company
- Partnership
- Sole proprietorship
- Corporation
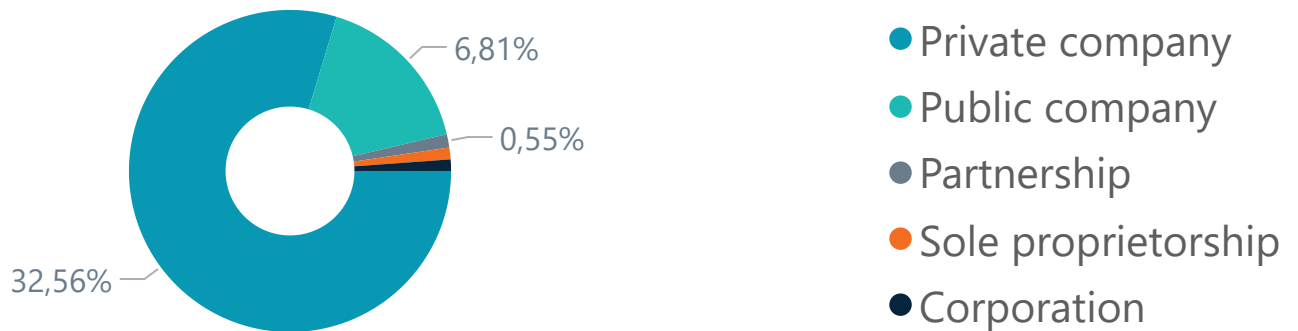
Top 5 Company Sizes

by percentage of job opportunities

2,94%

4,28%

2,98%

26,51%

12,93%

- 1 to 100
- 101 to 500
- 501 to 1,000
- 1,001 to 5,000
- 5,001 to 10,000
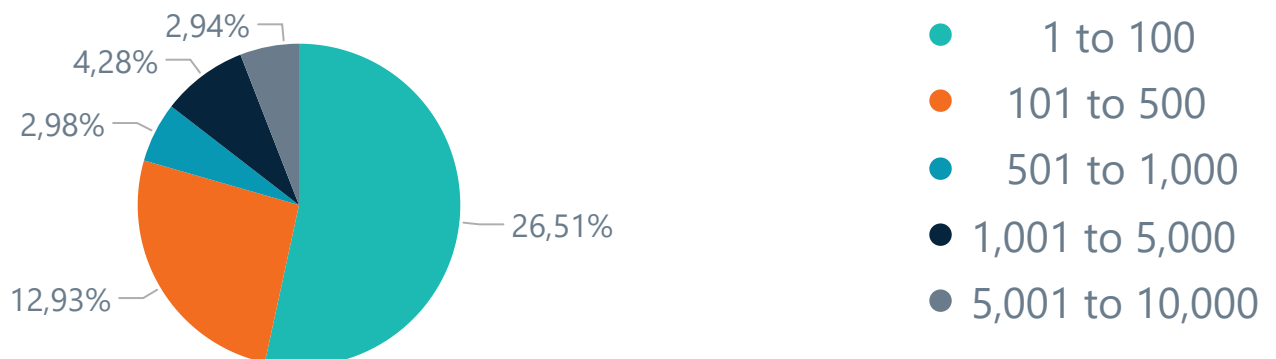
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Employment Type
percentage of job opportunities

Temporary 8,05%

Permanent 91,93%
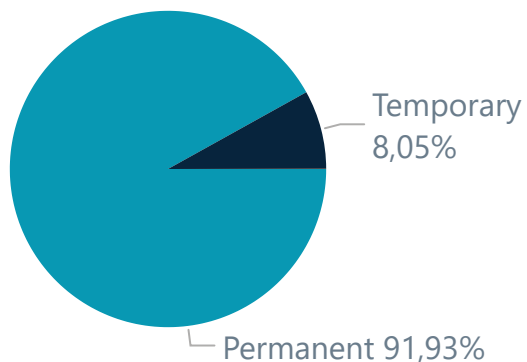
Employment Flexibility
percentage of job opportunities

Remote 12,96%

Hybrid 12,58%

On-site 74,45%
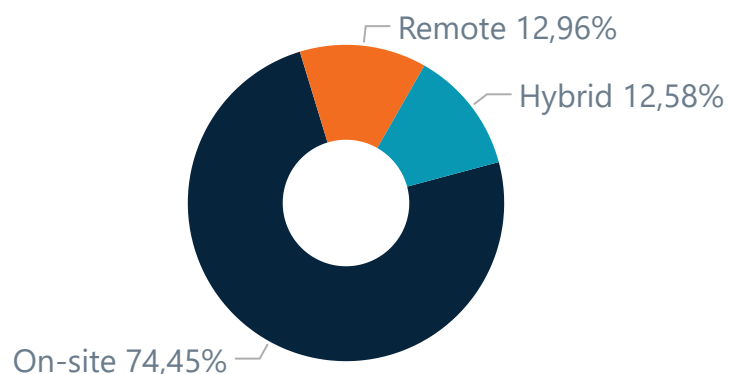
Top 3 Employment Levels
by percentage of job opportunities

60,18%

26,73%

6,85%

Intermediate

Senior Management

Entry
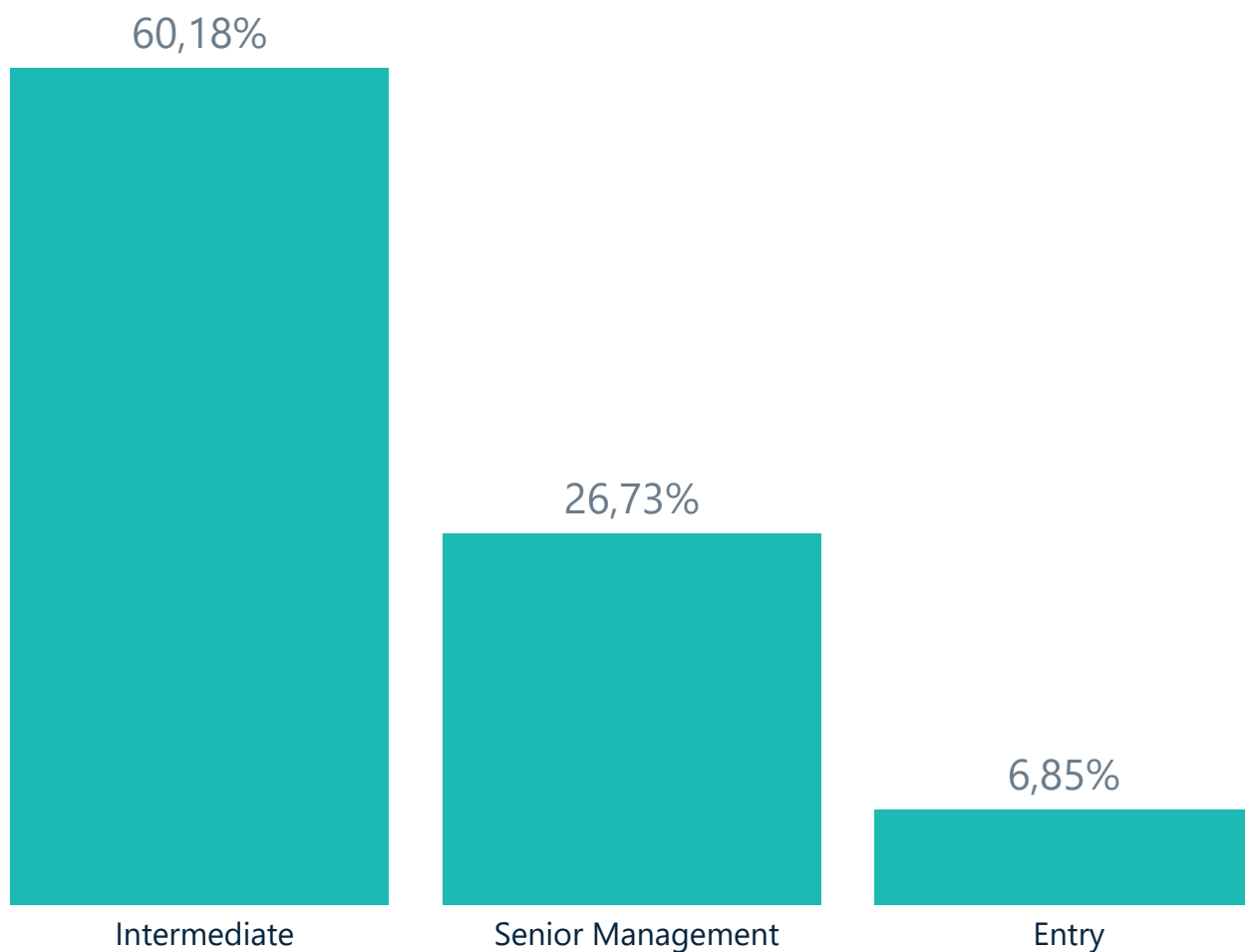
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Top 5 Minimum Qualification Level

by percentage of job opportunities

35,05%

11,62%

1,51%

0,12%

0,19%

| NQF Level 4 | NQF Level 6 | NQF Level 7 | NQF Level 8 | NQF Level 9 |
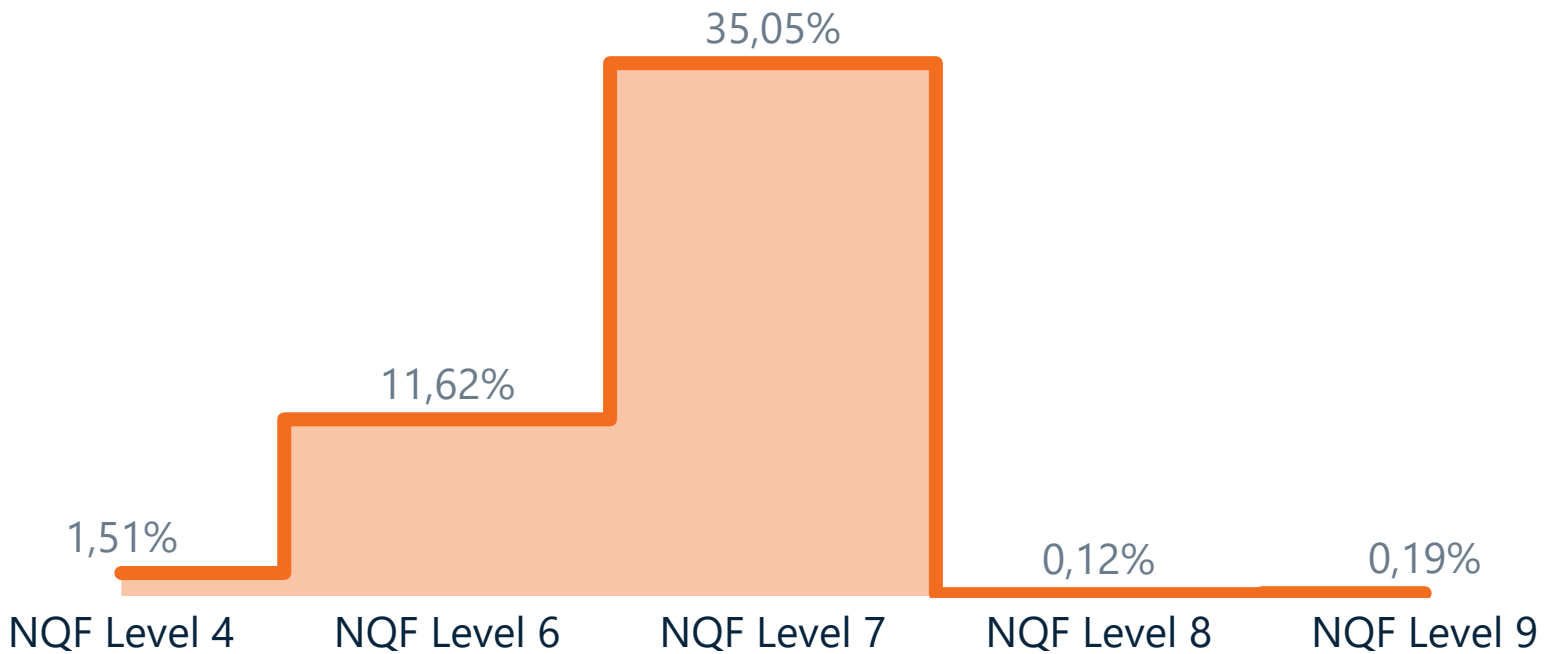
Top 5 Minimum Years Experience

by percentage of job opportunities

15,96%

12,79%

4,76%

5,45%

4,38%

| 2 years | 3 years | 4 years | 5 years | 6 years |
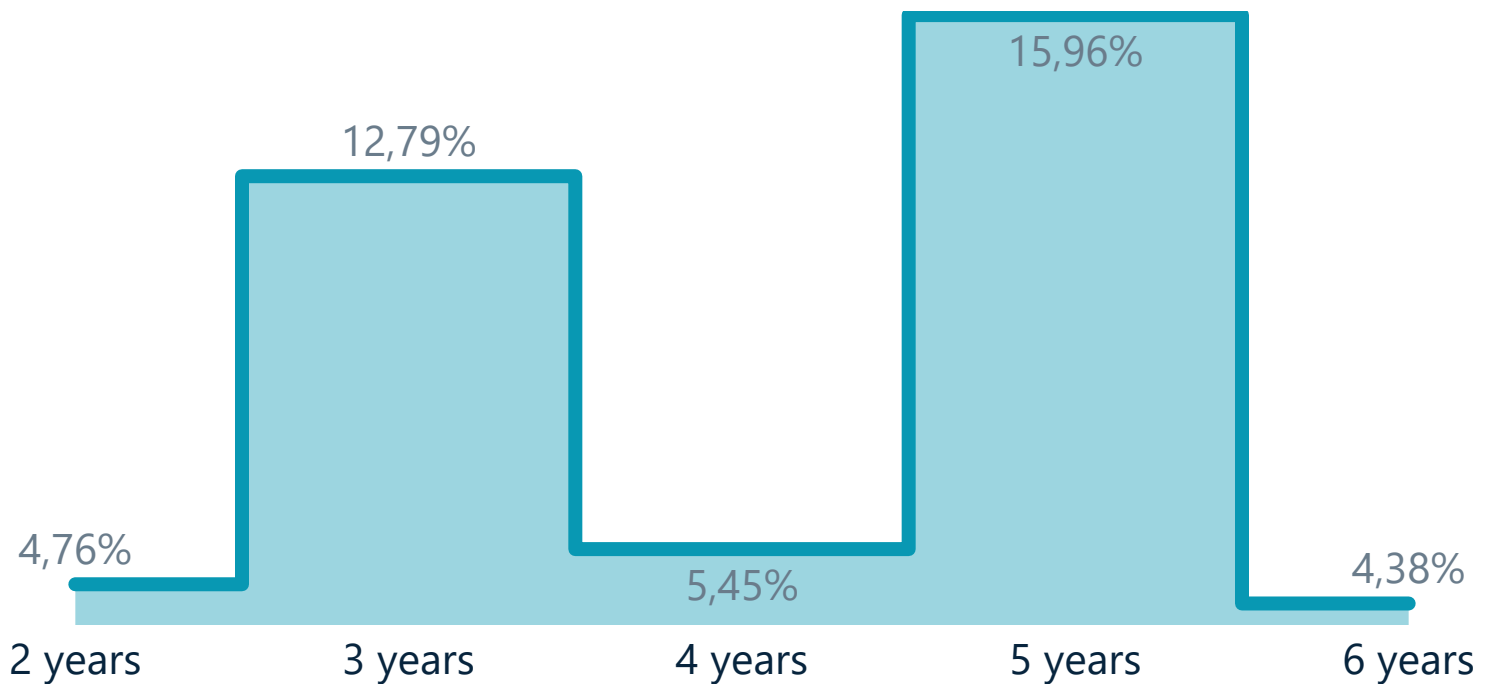
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Top 10 Required Skills

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

Software Developers

Top 5 Required Knowledge

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

Software Developers

Top 10 Required Technology Skills

Application server software	
Docker	**6**
Kubernetes	**7**
Object or component-oriented development software	
Python	**2**
C++	**5**
Web platform development software	
JavaScript	**1**
React	**4**
File versioning software	
Git	**3**
Operating system software	
Linux	**8**
Database management system software	
MySQL	**9**
Database user interface and query software	
MySQL	**9**