Industrial Engineers

Ranked

70

by count of job opportunities

Percentage

0,36%

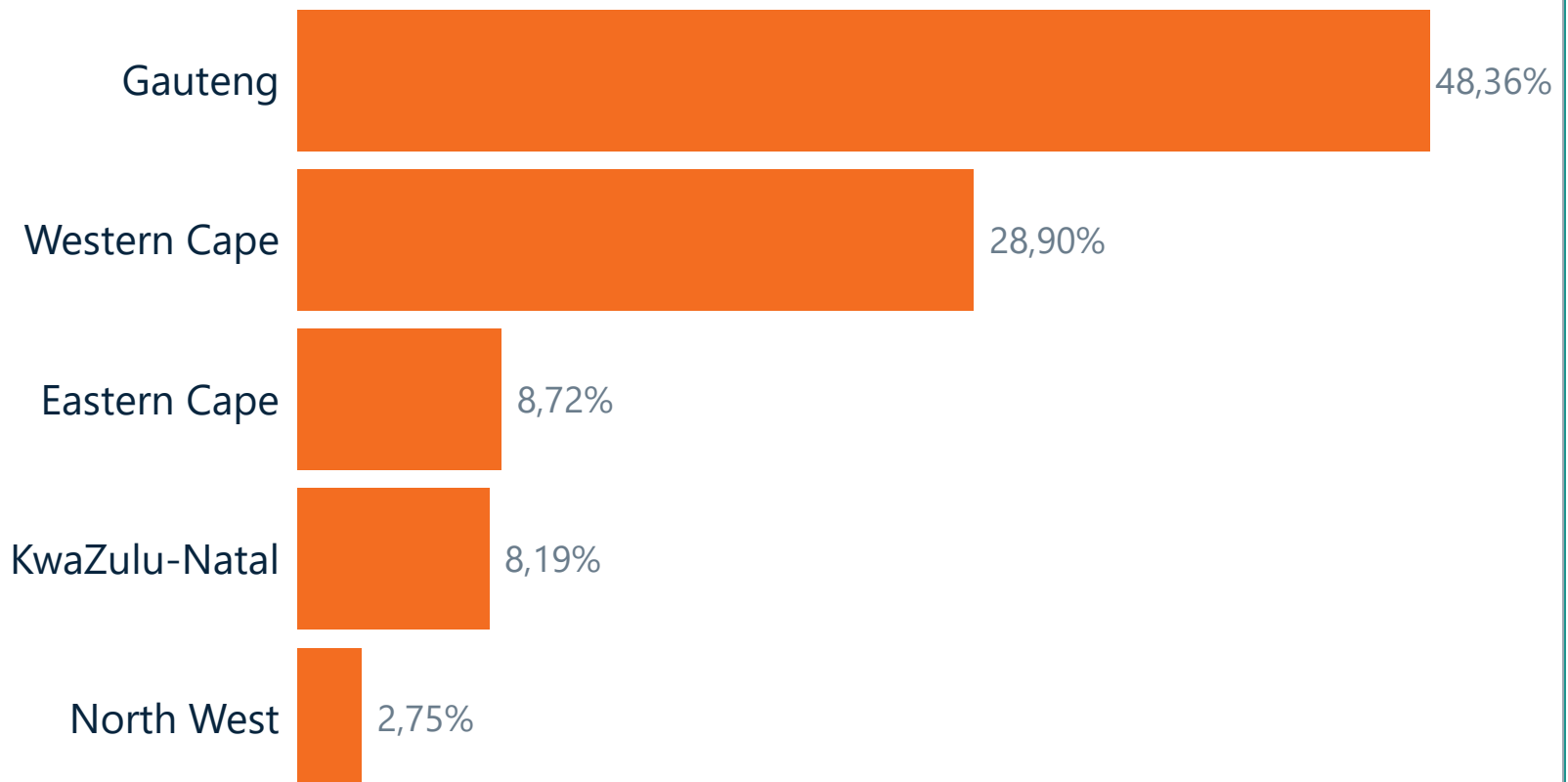of all job opportunities

Hard-to-Fill

23,13%

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

Top 5 Provinces

by percentage of job opportunities

Province	Percentage
Gauteng	48,36%
Western Cape	28,90%
Eastern Cape	8,72%
KwaZulu-Natal	8,19%
North West	2,75%

KULULEKO CONSULTING

Industrial Engineers

Top 5 Industries

by percentage of job opportunities

|	
Professional, scientific and technical activities	23,75%
Information and communication	11,62%
Manufacturing	11,39%
Administrative and support activities	7,40%
Wholesale and retail trade	6,48%

Top 5 Company Types

by percentage of job opportunities

8,68%

0,39%

23,00%
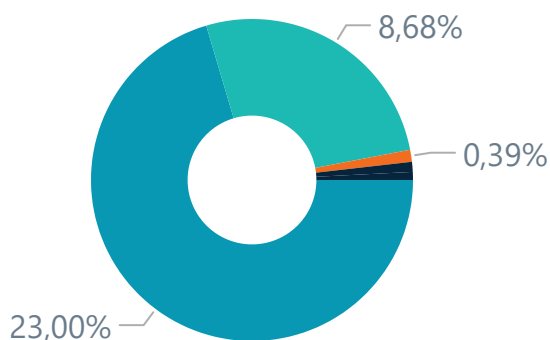
- Private company
- Public company
- Sole proprietorship
- Corporation
- Government agency

Top 5 Company Sizes

by percentage of job opportunities

4,78%

2,75%

2,82%

21,56%

8,45%
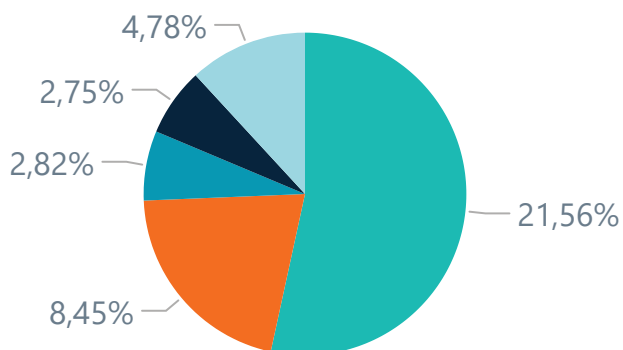
- 1 to 100
- 101 to 500
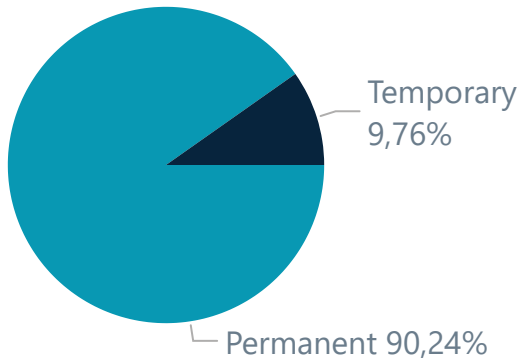- 501 to 1,000
- 1,001 to 5,000
- 10,001 +

Industrial Engineers

Employment Type
percentage of job opportunities

Temporary 9,76%

Permanent 90,24%

Employment Flexibility
percentage of job opportunities

Remote 5,44%

Hybrid 5,24%

On-site 89,32%
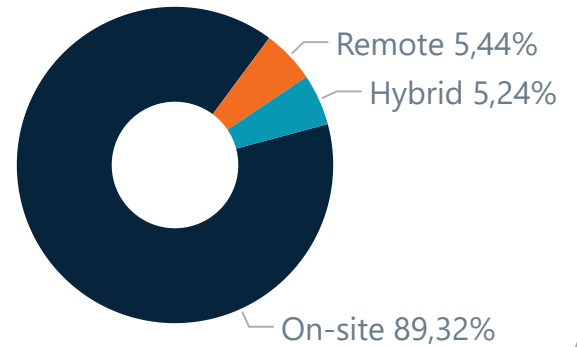
Top 3 Employment Levels
by percentage of job opportunities

70,58%

12,78%

12,19%

Intermediate

Senior Management

Entry
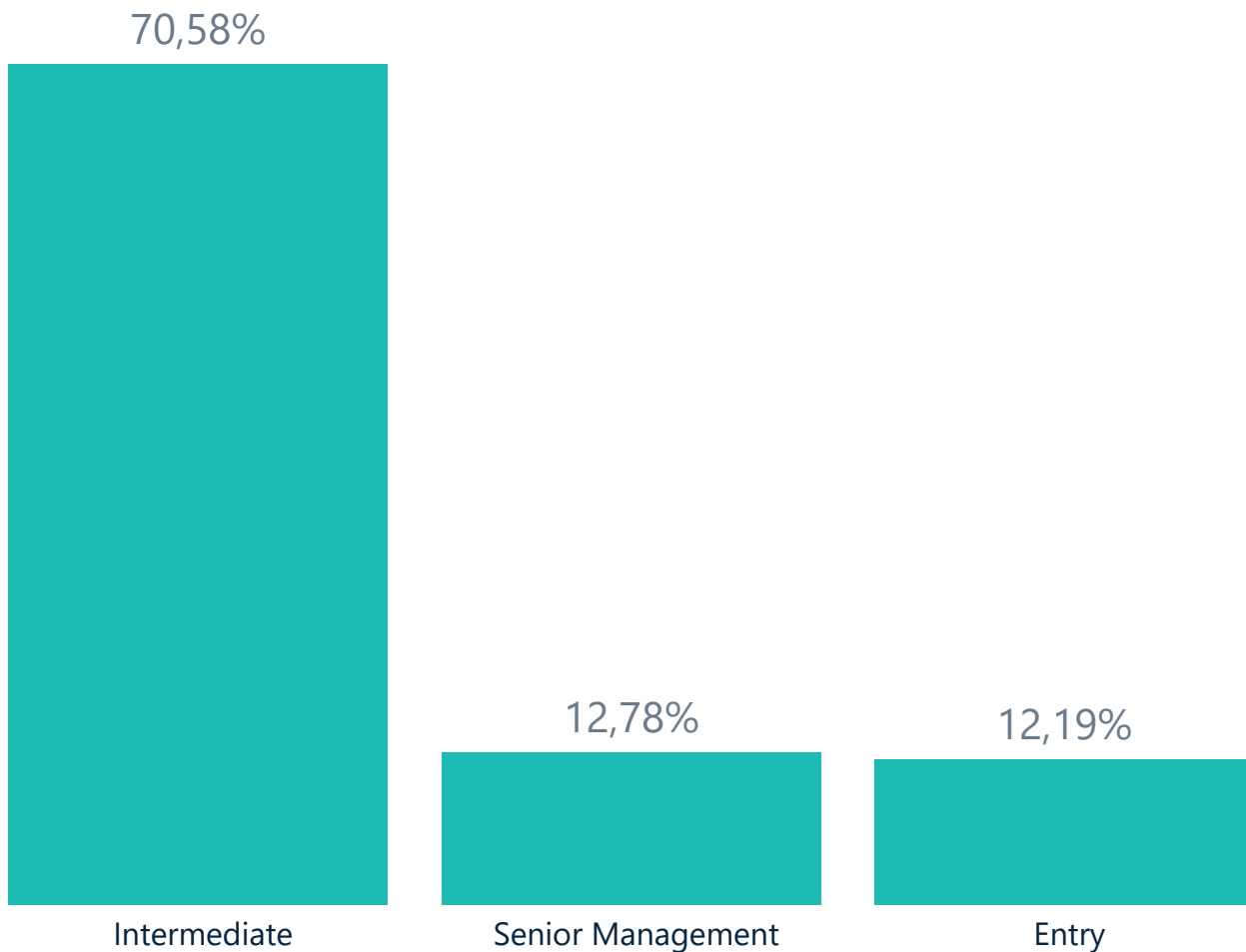
Industrial Engineers

Top 5 Minimum Qualification Level

by percentage of job opportunities

- NQF Level 4: 1,90%
- NQF Level 5: 0,26%
- NQF Level 6: 16,64%
- NQF Level 7: 36,50%
- NQF Level 9: 0,07%
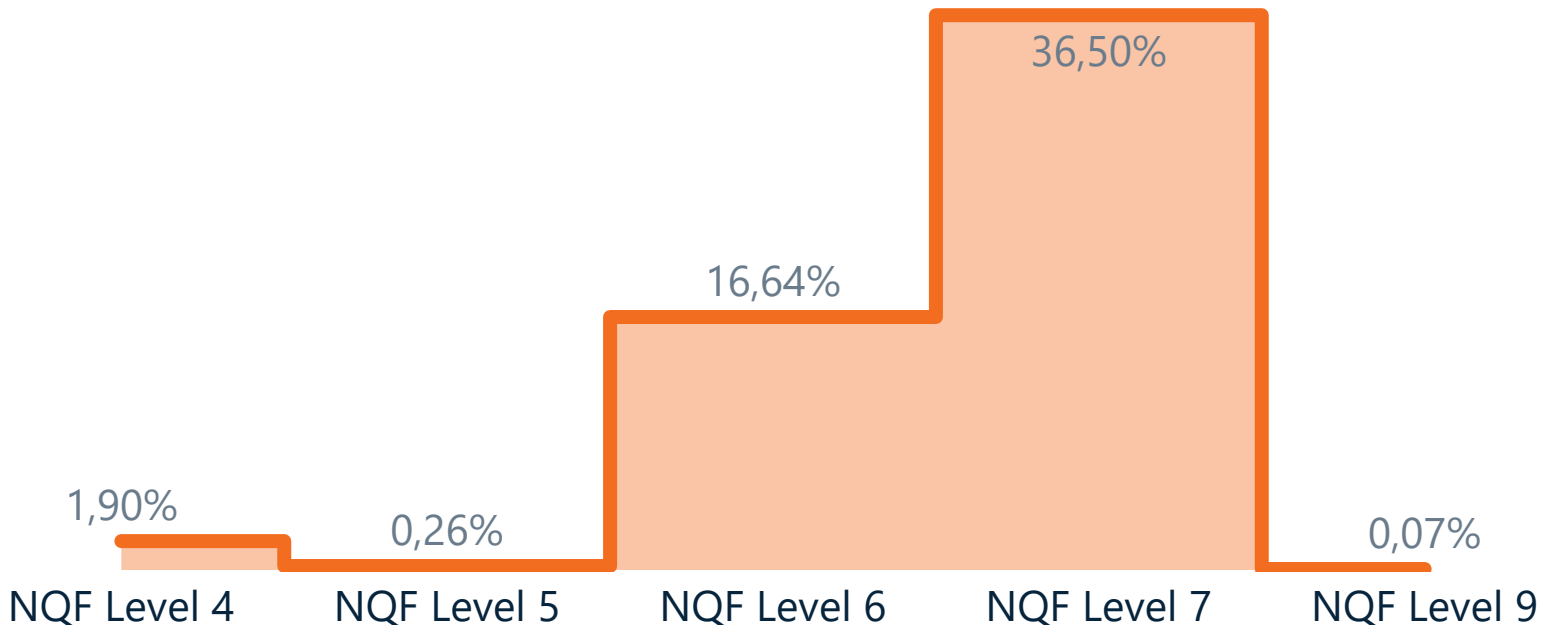
Top 5 Minimum Years Experience

by percentage of job opportunities

- 1 year: 2,10%
- 2 years: 7,08%
- 3 years: 18,22%
- 4 years: 4,19%
- 5 years: 14,81%
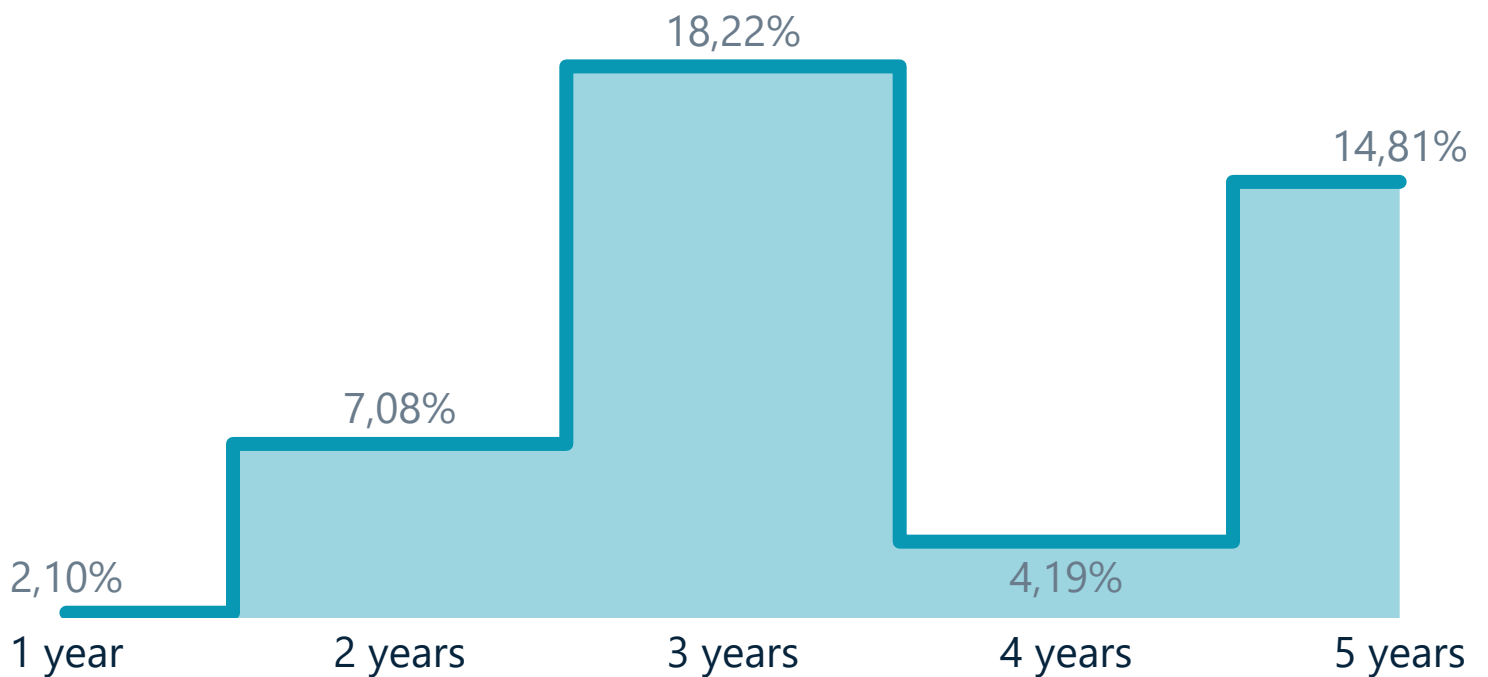
Industrial Engineers

Top 10 Required Skills

Systems Analysis	
Determining how a system should work and how changes in conditions, operations, and the environment will affect outcomes.	**1**
Time Management	
Managing one's own time and the time of others.	**2**
Operations Monitoring	
Watching gauges, dials, or other indicators to make sure a machine is working properly.	**3**
Writing	
Communicating effectively in writing as appropriate for the needs of the audience.	**4**
Operations Analysis	
Analyzing needs and product requirements to create a design.	**5**
Complex Problem Solving	
Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.	**6**
Learning Strategies	
Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things.	**7**
Service Orientation	
Actively looking for ways to help people.	**8**
Quality Control Analysis	
Conducting tests and inspections of products, services, or processes to evaluate quality or performance.	**9**
Critical Thinking	
Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions, or approaches to problems.	**10**
Management of Material Resources	
Obtaining and seeing to the appropriate use of equipment, facilities, and materials needed to do certain work.	**10**

Industrial Engineers

Top 5 Required Knowledge

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.	**1**
Design	
Design techniques, tools, and principles involved in production of precision technical plans, blueprints, drawings, and models.	**2**
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.	**3**
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.	**4**
Public Safety and Security	
Relevant equipment, policies, procedures, and strategies to promote effective local, state, or national security operations for the protection of people, data, property, and institutions.	**5**

Industrial Engineers

Top 10 Required Technology Skills

Application server software	
Kubernetes	**3**
Docker	**4**
Object or component-oriented development software	
Python	**1**
Operating system software	
Linux	**2**
Bash	**7**
Database user interface and query software	
Prometheus	**5**
ServiceNow	**10**
Spreadsheet software	
Microsoft Excel	**6**
File versioning software	
Git	**7**
Database management system software	
Elasticsearch	**9**