



Transforming Aspirations into Achievement

JAVA

Master JAVA with Expert Guidance!

SELF-PACED | MENTOR LED | PROFESSIONAL





A Brief Story About The Company



ABOUT US

Our team is dedicated to empowering students with the skills needed to thrive in today's ever-evolving job market. We believe that staying ahead requires continuous skill development to meet industry demands.

At innoKNOWVEX, we bridge the gap between current capabilities and the expertise sought by leading organizations. Our platform offers industry-specific training in a professional setting, equipping students with the knowledge and practical skills essential for securing employment in their chosen fields.



About the Program

InnoKnowvex Edu Tech's 3-month program includes two months of industrial training with experts through live sessions & recorded materials.

The final month involves an individual project and a major project with affiliated companies, offering industry exposure and MNC work experience. This program prepares interns for successful careers in the field.

Modes of Training

★ SELF PACED

- Recorded Sessions with doubt-clearing opportunities
- Lifetime access to study material
- Training Certification+Internship Opportunity

★ MENTOR LED

- Live interactive sessions with doubt clearing
- Lifetime access to recordings
- Training Certification+Internship Opportunity

★ PROFESSIONAL

- Live interactive sessions with doubt clearing
- Lifetime access to recordings
- Training Certification+Internship Opportunity+placement assistance



FIRST TWO MONTHS

- Comprehensive industrial training from experts
- Live interactive sessions
- Lifetime access to session recordings
- Hands-on practice
- Mini-projects and exercises
- Real time engagement
- Immediate feedback
- Supportive learning environment
- Mentorship and peer collaboration
- Solid foundation
- Real-world projects in the internship phase

THIRD MONTH

Two key projects:-

1. Minor project focused on implementing and evaluating their skills independently.
2. Major collaborative project, providing industry exposure and experience in a multinational corporation environment.

***Interns work on real-world challenges under the guidance of experienced professionals, gaining valuable insights into industry practices while refining their technical skills. This hands-on experience prepares them for successful careers, giving them a competitive edge in the job market.**



Explore the **CAREER PATHS**

**Backend
Developer**

**Android
App
Developer**

**Full Stack
Java
Developer**

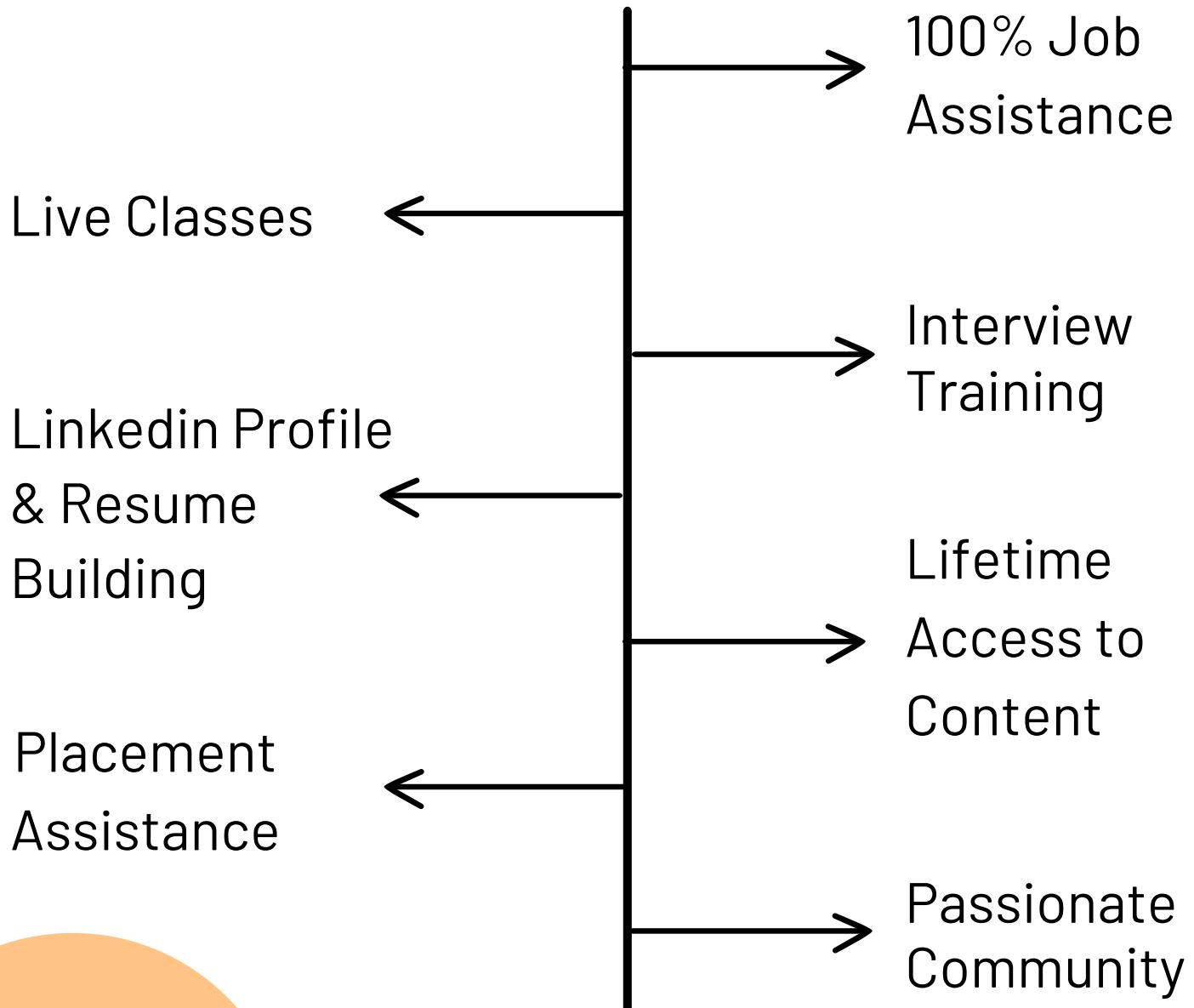
**Java
Software
Engineer**

**Cloud
Application
Developer**

**Enterprise
Application
Architect**

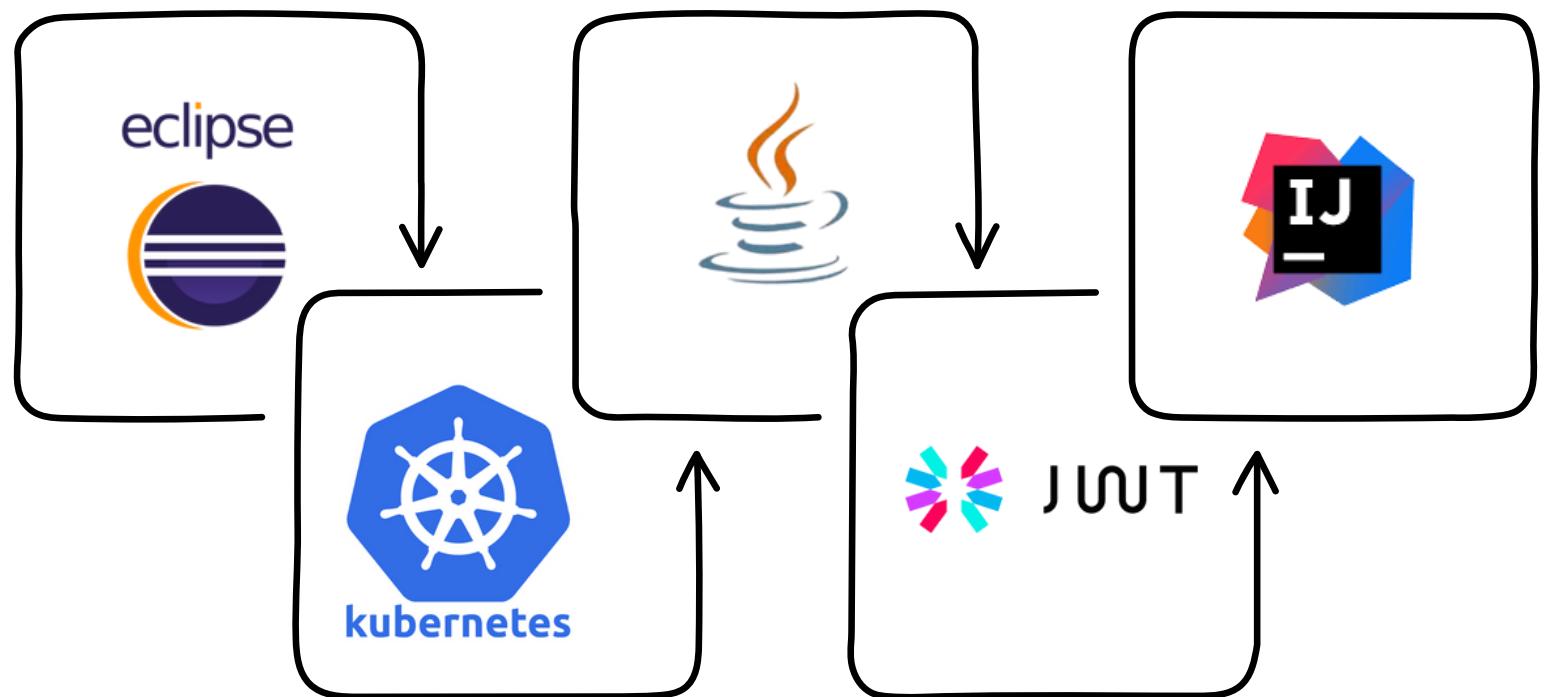


WHY US?



TOOLS

You will learn





KEY HIGHLIGHTS OF PROGRAM

Basic Syntax &
Structure

Primitive Data
Types

Variables &
Operators

Java Virtual
Machine (JVM)

Collections
Framework

Arrays

Multithreading

Object-Oriented
Programming

Interfaces &
Abstract Classes

Exception Handling &
Templates

Control Flow (if,
else, switch, loops)

Polymorphism



Course Curriculum



Week 1- Introduction to Java

01

- Basics of Java , Installation, IDE setup**
- JDK, JVM, and JRE**
- Variables & data types, source code and bytecode**
- Features, setup, and writing your first program**
- Java architecture**



Week 2- Data Types and Control Flow

02

- Introduction to Strings datatype**
- Datatypes Casting - Widening & Narrowing**
- Coverage of Conversions & programs using the learned concepts**



Week 3 - Methods/Functional programming in JAVA

03

- Methods & Classes**
- Method Structure Declaration, calls type and return type**
- Method Parameters Scope**
- Static methods and Intro to static keyword**
- Static imports**



Week 4 - Arrays and Strings

04

- Properties and functionality of an array**
- Strings Methods and Properties**
- Strings and Arrays**
- Mutable and Immutable Strings**
- String Builder, command-line arguments using args[]**

★ RESUME BUILDING WORKSHOP



Week 5 - OOPS (Object Orientation Programming)

05

- Overview, Need and Benefits of OOP**
- "new" Keyword, HEAP memory and Garbage Collector**
- Constructors, Super and This Keyword**
- "static" keyword with respect to OOP**



Week 6- Encapsulation & Inheritance

06

- Access modifiers, Setter and getters**
- Final keyword**
- Inheritance- Single Inheritance, Multi-Level Inheritance, and Hierarchical Inheritance**
- Super keyword , Access modifier with respect to Inheritance**
- Method Overloading and Method Overriding**



Week 7 - Polymorphism & Abstraction

07

- Runtime and Compile time polymorphism
- Manual overriding of `toString` and `equals` methods
- Override Annotation
- Difference between concrete and abstract Methods
- Marker Interface and its usage
- Functional Interface, Lambda/Innerclasses and Functional Interfaces



Week 8 - Exception handling

08

- Exception class Hierarchy
- Try with Resource and Autocloseables
- Throw and throws keywords
- Exception Handler
- Corner cases and best practices for Exception handling



★SOFT SKILL DEVELOPMENT WORKSHOP



Week 9 - Collection Framework in JAVA

09

- Collection Interface hierarchy**
- ArrayList, Set, LinkedList, and HashMap**
- Traversing using Iterators**
- Fail-Safe and Fail-Fast Way of using Collection**
- Comparator and Comparable usage**
- Map Interface Hierarchy, Collection Classes**



Week 10 - File Handling and I/O

10

- File Types and Common filetype and Usage**
- File operations using Java**
- InputStream and OutputStream in Java**
- Read and Write Operation on a text file using Stream**
- Serialization and Deserialization and best practices**



Week 11 - Multi-Threading

11

- Parallel Processing Computation and its Advantage**
- Thread in JAVA**
- Achieving Multi-Threading in JAVA using Thread class and Runnable interface**
- Thread in JAVA**
- Thread Pool, Thread State and its Lifecycle**



HOW TO CRACK TECH INTERVIEWS



Week 12 - Multi-Threading (Continuation)

12

- Deadlock event, Concurrency and Thread Safety**
- Synchronization**
- Volatile keyword for visibility**
- Atomic Integer**



CERTIFICATIONS





Pricing

PLAN

Self Paced>

Learn at your own pace

₹5,999

Mentor Paced>

Get real-time Assistance

₹8,999

Professional>

Get Job Ready

₹11,999



OUR COLLABORATIONS

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