

Fellowship Program in **QA Automation & AI-Powered Testing (SDET)**

Master AI-powered test automation, intelligent CI failure triage, and advanced SDET skills. Build AI agents that write tests, generate data, and catch bugs before users do.

Selenium & Automation

AI-Powered Test Generation

Assured Referrals

Playwright Modern Automation



95%

Placement Rate



1000+

Hiring Partners



81%

Avg Salary Hike



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Master AI-Powered Software Development

The future of quality assurance belongs to SDETs who can build **intelligent test automation AND leverage AI** to catch bugs 10x faster. This isn't another video course -- it's a work-experience-based program where you build professional-grade test frameworks from day one.

Master **Selenium, Playwright, REST Assured, and AI-powered testing tools**. Build 4+ industry-grade projects mirroring real QA engineering at companies like Flipkart, Amazon, and Swiggy.

Join the best product-based companies with guaranteed referrals to 1000+ hiring partners.

Master both manual and automation testing technologies, including Selenium, Playwright, TestNG, REST Assured, API Testing, and DB Testing. Enhance your expertise further by leveraging AI-powered tools like Cursor, Claude Code integrated with OpenAI and Agentic workflows for intelligent test generation and CI failure triage.

Currently backed by **Binny Bansal** (Flipkart co-founder). Founded by ex-Flipkart and ex-Google leaders with deep industry networks. Impress recruiters with your verified project portfolio which validates all your learnings and real work experience in test automation.



Technologies You'll Master

AI Infrastructure



Selenium

TestNG

TestNG



Playwright



REST Assured



Postman

JUnit

JUnit

Automation & DevOps

Jenkins

Jenkins



Docker



Git



Maven



CI/CD

AI for Testing



Cursor



Claude Code



OpenAI API



MCP



RAGAS



Langfuse

AI Infrastructure



LangChain



LangGraph



Pinecone



FAISS



Key Features



4+ Work-Like Projects & 15+ Micro-Skilling Exercises

Not toy projects. You'll build test automation frameworks that handle real scenarios, API test suites used on actual services, and AI-powered testing systems -- mirroring how SDETs at Flipkart, Cred, and Amazon ensure quality.



AI-Powered Testing

Build AI agents that write tests, triage CI failures, generate test data, and evaluate quality. Go beyond manual test creation -- leverage LLMs, RAG pipelines, and intelligent agents for next-gen QA.

NEW

80+ Live Sessions & 12+ Hours Daily Support

Weekly live sessions and 1-on-1 mentorship from engineers at FAANG companies. 3 live sessions. 12+ hours of daily live technical support -- you're never stuck.



200+ DSA Problems & Automation Challenges

Interview-focused curriculum covering data structures, algorithms, and real-world automation challenges. Practice with timed mocks, P2P interviews, and AI-powered mock interviews tailored for SDET roles.



Exclusive Career Services & Assured Referrals

1:1 mock interviews, AI-powered interview prep, resume building, GitHub/LinkedIn optimization -- plus guaranteed referrals to 1000+ hiring partners including Microsoft, Amazon, Cred, and Flipkart.



Advanced SDET Skills

Master Selenium, Playwright, API Testing with REST Assured, DB Testing, Microservices Testing, and Performance Testing. Build production-grade test frameworks used by real engineering teams.



How is the Program Different?

Existing ways of learning -- traditional QA courses, YouTube tutorials, or generic bootcamps -- don't provide the real skill development needed to excel as an SDET at a top tech company. Crio's work-experience-based learning, enhanced by AI-native testing tools, equips you with production-grade QA skills through hands-on projects in a real test automation environment.

FEATURE	TRADITIONAL QA COURSES	YOUTUBE/FREE CONTENT	Crio Fellowship
Real work experience projects	✗	✗	✓
Modern Playwright automation	✗	~	✓
AI-powered test generation	✗	✗	✓
Intelligent test data generation	✗	✗	✓
AI agents for CI failure triage	✗	✗	✓
AI quality evaluation (RAGAS/Langfuse)	✗	✗	✓
Assured referrals (1000+ partners)	✗	✗	✓



Who is this Program For?

Crio's Fellowship is designed for ambitious individuals ready to invest in a career transformation into QA Automation. Whether you're starting from scratch or leveling up from manual testing, this program meets you where you are.



Final Year Students

Build job-ready SDET skills while still in college. Graduate with a professional test automation portfolio that separates you from 10,000 other applicants. Land your first QA role at a top product company.



Manual Testers

Transition from manual testing to automation. Learn Selenium, Playwright, and AI-powered testing to break into product-based companies as an SDET. Our graduates see significant salary hikes after this career shift.



Working Professionals

Already in QA or development? Upskill with modern automation tools, Playwright, and AI-powered testing to move into senior SDET or QA Lead roles. Master the cutting-edge skills top companies demand.



Career Switchers

From non-CS backgrounds wanting to transition into QA Automation. The program starts from fundamentals and builds to production-grade skills. Guided mentorship ensures you never feel lost.

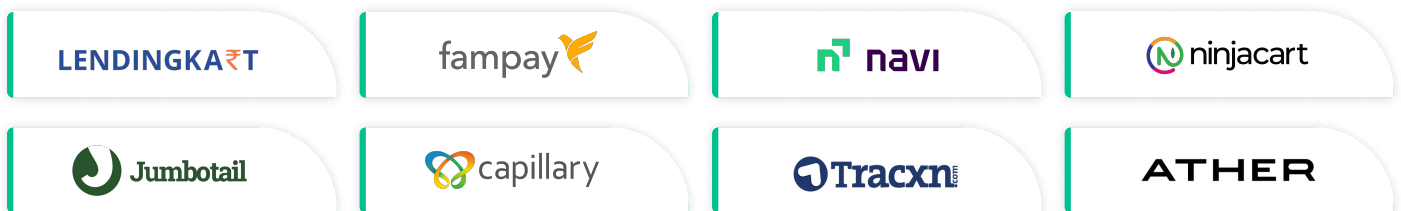
"Within weeks of the program, I went from running test cases manually to building complete automation frameworks with Selenium and Playwright. The hands-on approach changed everything."



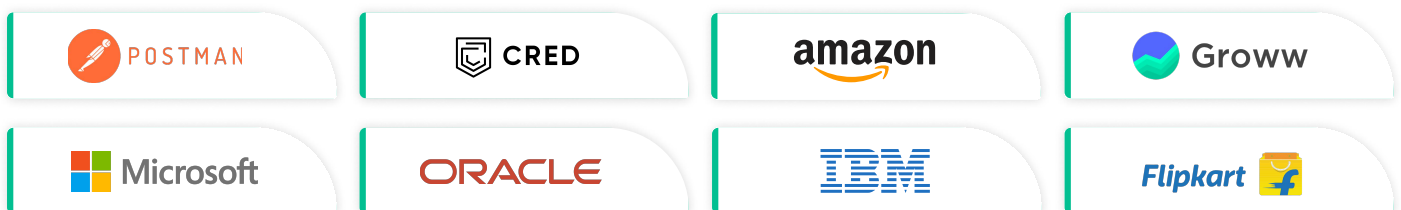
Fellowship in QA Automation & AI-Powered Testing

Secure guaranteed referrals in top tech companies by mastering in-demand SDET skills, enhanced with AI-powered testing tools and technologies.

Dream jobs (6-15 LPA) in top product-based companies

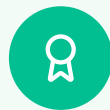


Super-dream jobs (15-40 LPA) at unicorns and tech giants



95%

Placement Rate



30+

LPA Max Salary



1000+

Hiring Partners



Land Your Dream Career

Get ready to apply all the skills you learn to ace interviews and land your dream career in QA Automation. Our comprehensive career support ensures you're not just skilled you're **placement-ready**.



1:1 Interview Preparation

Mock interviews with industry experts before technical rounds with hiring partners. Practice real SDET interview scenarios, get feedback, and refine your approach until you're confident.



AI-Powered Mock Interviews

Take AI-powered mock interviews with detailed feedback on your performance. Practice DSA, automation scenarios, and behavioral rounds anytime, anywhere.



Profile Building & Optimization

Expert guidance to make your GitHub, LinkedIn, and Resume stand out. Build a professional online presence that attracts recruiters from top tech companies looking for SDETs.



Soft Skills & Communication Training

Pre-training and post-training assessments coupled with soft-skills training. Prepare to defend every skill keyword on your resume with confidence.

Access to 1000+ hiring partners across tech MNCs and product-based startups



Land Top Developer Jobs

Our placement ensures successful fellows land roles with competitive salaries. That's how confident we are in our program.



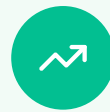
7-10 LPA

Starting Salary



30+ LPA

Maximum Potential



95%

Placement Rate

Crio graduates have cracked jobs at



Piyush

is in

Google



Pragya Kushwaha

is in

SpiceJet



Subir Dutta

is in

SONY



Rishav Raj

is in

Walmart



Yadnesh Giri

is in

Capgemini



Adriza Mishra

is in

Honeywell



Learning Path

QA Fundamentals

Weeks 1-6

Master Linux, Manual Testing fundamentals, and API Testing basics. Build your foundation in quality assurance concepts and testing methodologies.

Linux

Manual Testing

API Testing

Test Cases

Defect Life Cycle

Automation Mastery

Weeks 7-14

Build automation frameworks with Selenium and Playwright. Master TestNG, Page Object Model, Cucumber BDD, and framework architecture.

Selenium

Playwright

TestNG

POM

Framework Design

NEW

DevOps & CI/CD

16-28 Weeks

Set up Jenkins pipelines, Docker containers, and CI/CD workflows. Integrate test automation into continuous delivery pipelines.

Jenkins

Docker

CI/CD

Pipelines

Git

AI Foundations

20+ Weeks

Learn how LLMs work, build RAG pipelines, and create AI agents. Master prompt engineering and AI-powered development with Cursor.

LLMs

RAG

AI Agents

Cursor

Prompt Eng.

NEW

Production AI + Career Launch

Weeks 23-30

AI test generation, CI failure triage agents, interview prep, referrals to 1000+ hiring partners. 95% placement rate.



Phase 1: Foundations



QA Essentials (Free Trial)

Introductory

Web-Based Automation Introduction

Get hands-on with web-based automation for real websites like Redbus and Amazon.

Learn test data identification and basic automation concepts.

Manual Testing

Automated Testing

Web-based Automation



Programming Essentials

8 weeks

Java Programming

Master Java from fundamentals to advanced concepts. Build strong programming skills essential for test automation frameworks.

- Java basics, OOPS concepts, Collections framework
- Regular Expressions, HTML basics
- Exception Handling, Debugging techniques

Java

OOPS

Collections

RegEx

HTML Basics

Exception Handling

Debugging



Developer Essentials

2 weeks

Tools & Workflow

Gain must-have skills through hands-on activities and live workshops. Learn the tools every professional SDET uses daily.

Agile

SQL

Linux

Gradle

CI/CD

Jenkins

Docker



Phase 2: Testing & Automation



Testing Essentials

2 weeks

Test Strategy & Design

Master the fundamentals of software testing methodology and test case design.

- Test Strategy and Test Data Generation
- Test Case Design techniques
- Defect Life Cycle management
- Software Testing Levels (Unit, Integration, System, UAT)



Web Based Automation

10 weeks

Selenium & Framework Development

Master Selenium WebDriver, XPath strategies, Apache POI for data-driven testing, Page Object Model, Grid for parallel execution, TestNG, and Cucumber BDD.

Selenium

WebDriver

XPath

Apache POI

Page Object Model

Grid

TestNG

Cucumber



3 Work-Like Projects:

QBasket

Big Basket-like grocery automation testing project

Selenium

TestNG

XTravel

Make My Trip-like travel booking automation

WebDriver

XPath

QFramework

Selenium Framework with POM, TestNG, Extent Reports

POM

Reports



Data Structures & Algorithms

8 Weeks

DSA for SDET Interviews

- Time/Space complexity analysis
- Arrays, Linked List, Stack/Queue, Trees, Hash
- Sorting and Searching algorithms
- 200+ curated interview problems with timed assessments

Arrays

Linked List

Stack

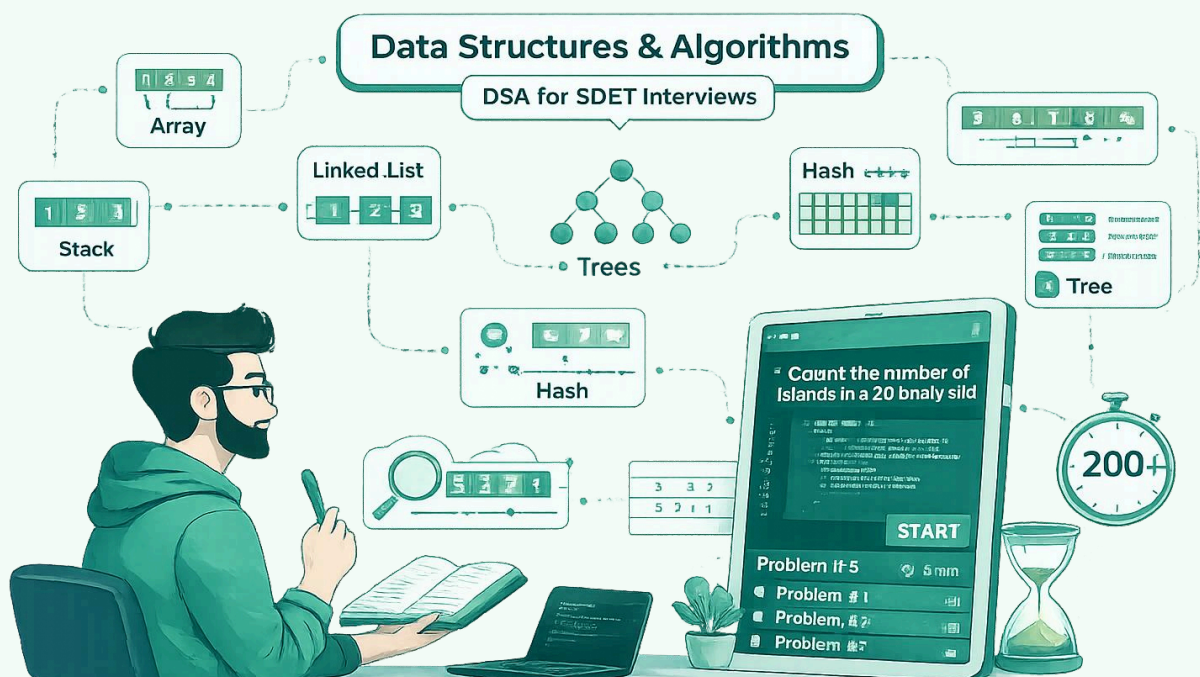
Queue

Trees

Hash

Sort

Search





Phase 3: Playwright & API Testing



QKart Lite: Playwright Edition

Project-based

NEW

Modern Test Automation with Playwright

Recreate test cases from Selenium using Playwright. Compare both tools head-to-head and master modern automation patterns.

- Auto-waiting locators and smart element detection
- Browser contexts for parallel test isolation
- Trace viewer for debugging test failures
- Selenium vs Playwright: side-by-side comparison

Playwright

Auto-waiting

Browser Contexts

Trace Viewer

Locators



QKart API Testing

Project-based

API & Database Testing

Master API testing with REST Assured and Postman. Validate backend services, database operations, and end-to-end API flows.

- REST Assured for Java-based API automation
- Postman collections and environment management
- SQL queries for database validation
- End-to-end API testing workflows

REST Assured

Postman

SQL

API Testing

Database Validation



AI Developer Foundations

9 Sessions | 18 Hours – Build your AI development foundation from the ground up

1 How LLMs Work

Transformer architecture, tokens, context windows. Understand the building blocks of modern AI.

2 Navigating the AI Model Landscape

GPT vs Claude vs Llama. Choose the right model for your testing use case.

3 Prompt Engineering That Actually Works

Systematic prompt design for test generation, data creation, and bug analysis.

4 Building with the OpenAI API

Integrate LLM APIs into your test automation pipelines. Streaming, error handling, cost management.

5 Fine-Tuning: When & How

Customize models for domain-specific testing. When to fine-tune vs prompt engineer.

6 RAG Pipelines: Make AI Know Your Data

Build retrieval systems that search your test docs, runbooks, and test plans.

7 Building AI Agents That Take Action

Autonomous agents that execute test workflows, file bugs, and triage failures.

8 Full-Stack AI Apps with Bolt.new

Rapid AI app prototyping. Build test dashboards and monitoring tools with AI.

9 AI-Powered Development with Cursor

AI-native IDE for writing test code 10x faster. Pair program with AI assistants.

Tools & Technologies: LLMs, OpenAI API, LangChain, Cursor, Bolt.new, Prompt Engineering, RAG, Fine-Tuning



Build & Ship Production AI Systems

8 Sessions | 16 Hours – Where your AI skills go from demos to deployable products

1 Building LLM-Powered Applications

End-to-end LLM app: API integration, streaming, context management, error handling. Ship a working AI feature.

2 Vibe Coding with Claude Code & Cursor

AI-native development. Ship features 10x faster. Pair program with AI. Automated refactoring & debugging.

3 From Single Agents to Multi-Agent Systems

Agent orchestration with LangGraph. Multi-agent communication patterns. Tool-using autonomous agents.

4 AI Agents That Integrate Everything (MCP)

Connect agents to Jira, Slack, GitHub, databases via MCP. Automate real engineering workflows.

5 RAG Systems: Search Anything with AI

Production RAG with FAISS & Pinecone. Hybrid search. Enterprise-grade retrieval for millions of documents.

6 How to Know If Your AI Actually Works

Evaluation with RAGAS & Langfuse. Automated testing. Quality metrics. Catch hallucinations before production.

7 Production AI: Scaling, Cost & Monitoring

Deploy AI that survives real traffic. Cost optimization per query. Observability dashboards. Rate limiting.

8 Capstone: Build & Ship a Real AI Product

End-to-end: design, build, evaluate, deploy. Your portfolio piece that proves you can ship AI in production.

Tools & Technologies: LangGraph, Claude Code, Cursor, MCP, FAISS, Pinecone, RAGAS, Langfuse, OpenAI & Anthropic APIs



Advanced SDET Skills



Live Distributed System Testing

7 weeks

API Testing on LIVE Flipkart-like System on AWS

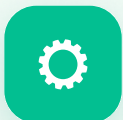
- API testing on a live distributed system deployed on AWS
- Database testing with SQL and NoSQL databases
- Kafka message queue testing and validation
- JMeter performance testing and load testing
- Microservices and Integration testing patterns

SOLID

Design Patterns

Clean Architecture

Schema Design



Test Strategy & Design

2 weeks

Enterprise System Testing

- Cloud concepts, virtualization, and containerization
- CI/CD pipelines, Docker, deployment strategies
- Scripting, Advanced Git, Test Bed Creation
- Swagger, Postman, BDD, TDD, Agile methodologies

System Architecture

Test Strategy

Test Plan



Cloud/DevOps & SDLC

3 weeks

DevOps for QA Engineers

- Cloud concepts, virtualization, and containerization
- CI/CD pipelines, Docker, deployment strategies
- Scripting, Advanced Git, Test Bed Creation
- Swagger, Postman, BDD, TDD, Agile methodologies

Cloud

Docker

CI/CD

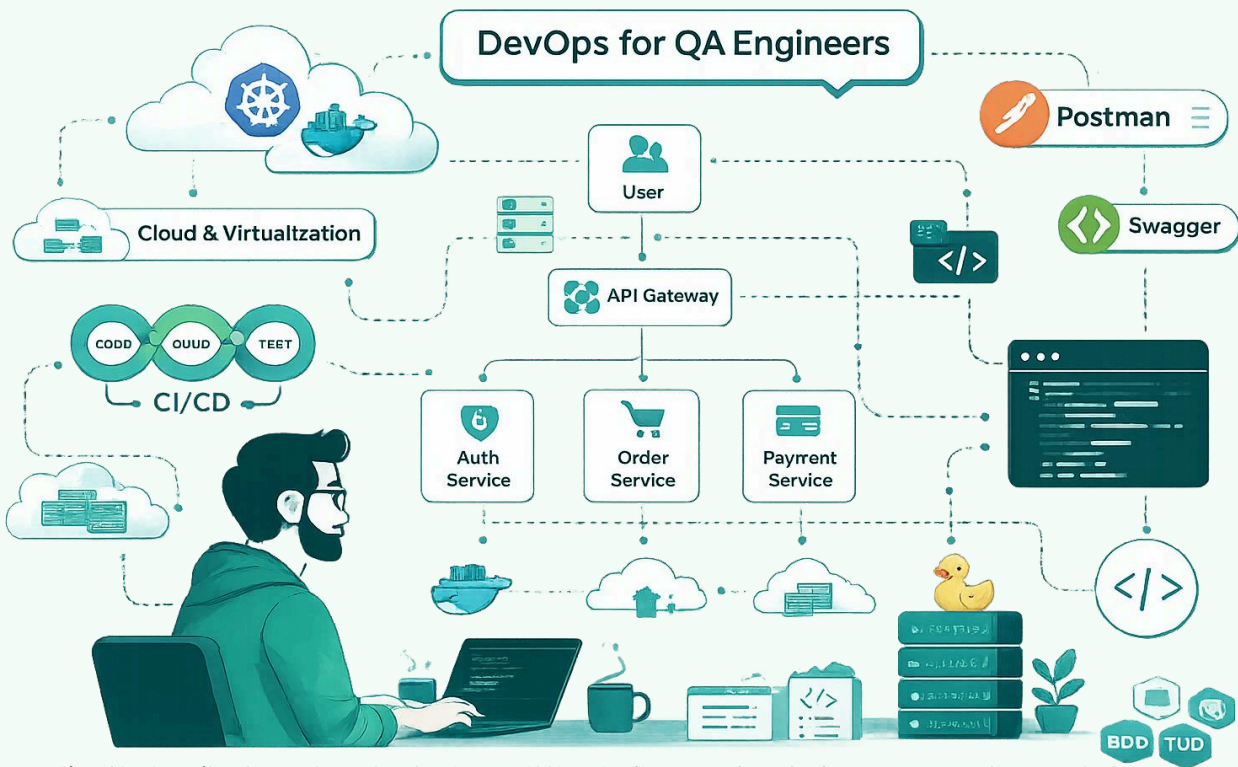
Swagger

BDD

TDD

Agile

Advanced Git



Cloud & Virtualization – Containerization - CI/CD pipelines, Docker, deployment strategies - Scripting



AI in Action: How This Changes Your QA Career

These aren't theoretical concepts -- they're real AI applications you'll build during the program that directly apply to your day-to-day work as an SDET.

1

AI Test Authoring Agent

Feed a feature spec to Cursor/Claude Code and get complete test suites generated automatically. Review, refine, and ship tests 10x faster.

2

Smart Test Data Factory

LLM API generates realistic JSON/XML payloads at scale. No more hand-crafting test data -- AI creates edge cases you'd never think of.

3

Auto CI Failure Triage

Agent reads CI logs, identifies root cause, creates a Jira ticket, and pings Slack -- all automatically when a build fails.

4

RAG-Powered Test Knowledge

Search your test plans, runbooks, and documentation in plain English. AI retrieves the exact context you need instantly.

5

AI Quality Evaluator

Test oracles for AI-generated content, coverage metrics with RAGAS/Langfuse. Quantify quality and catch issues before production.

6

AI Test Ops Dashboard

Monitor cost-per-test-run, latency, failure rates, and flaky test detection. Real-time observability for your test infrastructure.



Hear From Our Learners

"Initially, when I joined Crio, I thought it would be like BootCamp programs. But after joining, I really liked the way Crio had organised the program..It's not at all like typical classroom-based training. You have to do it on your own."

Deepa R
SDET at Flipkart
★★★★★

"Real projects mean real learning. The QKart and QTrip projects forced me to solve actual problems -- not textbook scenarios. Got hired within 2 weeks as QA Lead. The Playwright module was especially valuable."

Karthik V
QA Lead at PhonePe
★★★★★

"The AI modules really set this apart. Most QA programs don't teach you how to use AI agents for testing. I learned to build CI failure triage bots, AI test generators, and more. Best career move ever."

Meera S
Automation Engineer at Swiggy
★★★★★

"Crio's work-experience-based learning approach made all the difference. Building real test frameworks on live systems gave me the confidence to ace SDET interviews at top companies."



Program Details & Admission

Program	Fellowship in QA Automation & AI-Powered Testing (SDET)	
Duration		6-9 Months
Mode		Online – Work-like Environment
Specializations		Fullstack (MERN) / Backend (Java)
Live Sessions		80+ with industry experts
Daily Support		12+ hours live technical support
Projects		4+ work-like + 15+ micro-skilling
DSA		200+ problems
AI Foundations	NEW	9 sessions, 18 hours
AI Production	NEW	8 sessions, 16 hours
Hiring Partners		1000+ companies
Placement Rate		95%
Salary Range		7-30 LPA

[Apply Now →](#)

Backed by **Binny Bansal** (Flipkart Co-founder)



Why AI Skills Matter for QA Engineers

QA is being completely reinvented by AI. Manual testers who don't upskill will be replaced. But QA engineers who master AI-powered testing become the most valuable people on any engineering team. Here's why:

10x

Faster Feature Shipping

Feed a feature spec to Cursor or Claude Code – get complete test suites (unit, integration, edge cases) in minutes. Writing tests manually is becoming obsolete.

Zero

Manual CI Triage Needed

AI agents read CI logs, identify root causes, create Jira tickets, and ping Slack – all automatically. Stop wasting hours on manual failure triage every morning.

70%

QA Teams Adopting AI by 2027

Every major tech company is investing in AI-powered testing. SDETs who can build AI test agents are commanding premium salaries – and the demand is exploding.

40%

Salary Jump: Manual to AI-QA

Manual testers earn 4-6 LPA. AI-powered SDETs earn 15-30 LPA. The skills gap is massive – and this program bridges it in 6 months with hands-on projects.

What AI-Skilled QA Engineers Can Do That Others Can't

- ✓ Generate complete test suites from feature specs using AI pair programming
- ✓ Auto-triage CI failures with AI agents connected to Jira, Slack & GitHub
- ✓ Evaluate AI-generated outputs with RAGAS & Langfuse quality metrics
- ✓ Build intelligent test data generators using LLM APIs at scale
- ✓ Search test plans & past failures in plain English using RAG systems
- ✓ Monitor AI testing pipelines – cost per test run, latency, failure rates

Don't just test software. Build AI that tests for you.



World's first **work-like** experiential learning platform

Founded by Industry Experts with decades of experience in top companies



Funded by



In the News

YOURSTORY

This Binny Bansal-backed startup uses real-world problems to upskill developers

The Indian EXPRESS

Bengaluru-based start-up enables developers to learn in a work-like, virtual environment

THE ECONOMIC TIMES

Learning platform Crio raises \$1 M in funding led by Binny Bansal, Udaan founders

2021 INDIA & SOUTH ASIA EDTECH



Holon IQ

YOURSTORY PRESENTS

50
INDIA'S DISRUPTIVE STARTUPS

Trusted By Top Tech Companies

VISA

Jio

go⁺mmt

kaleyra

CAPILLARY
Intelligent Customer Engagement

meesho

publicis
sapient

bounteous

NOBROKER

PhonePe

Flipkart



Crio.Do

#LearnByDoing

The best way to learn is by building real products.

Start Your Journey →

programs@criodo.com | www.crio.do

Founded by ex-Flipkart & ex-Google leaders