

Reactive Extension for JavaScript (RxJS): The Capability That Changes Everything

Empower your engineering teams to efficiently manage asynchronous data streams and build scalable, resilient web applications.



Old State

The Turning Point

New Outcome



Course At-a-Glance



**16 - 24
Hours**

Course Duration



**Instructor-
Led**

Group Training
Format



**Virtual &
On-Site**

Flexible Delivery
Options



**10
Languages**

Global Capability

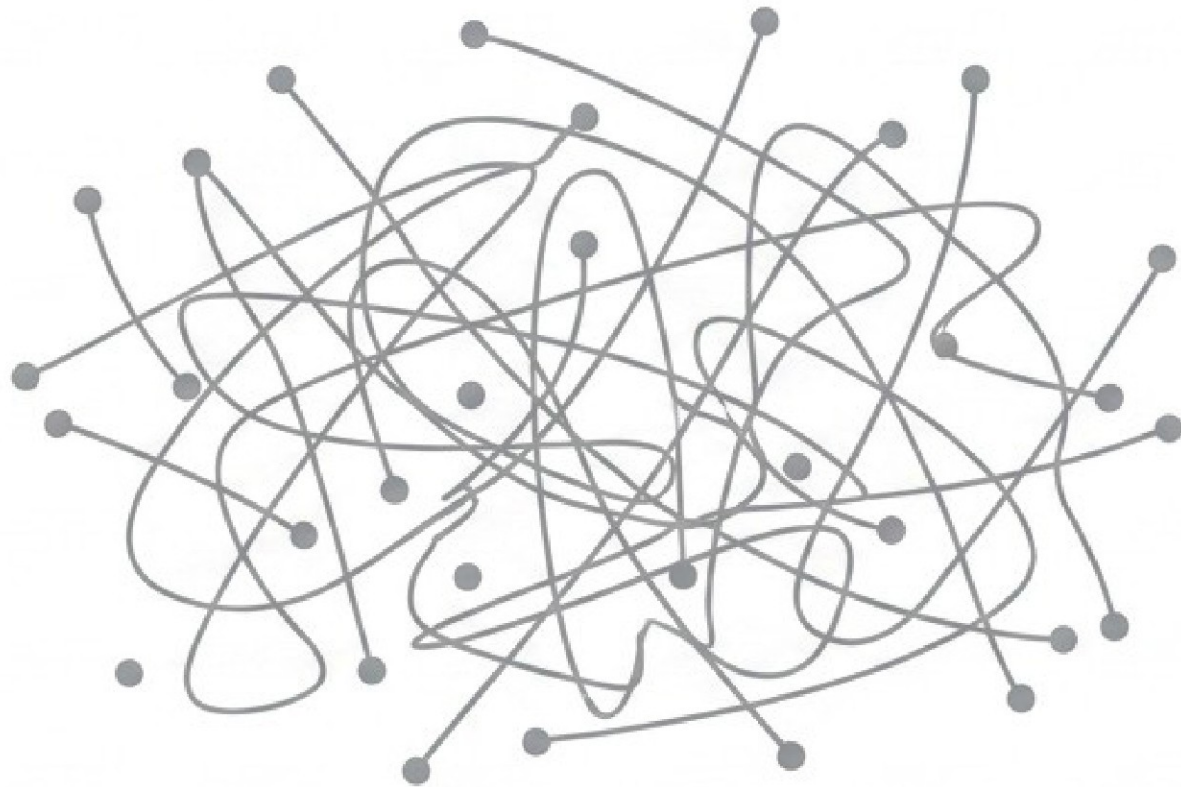


Certified

Certificate of
Completion

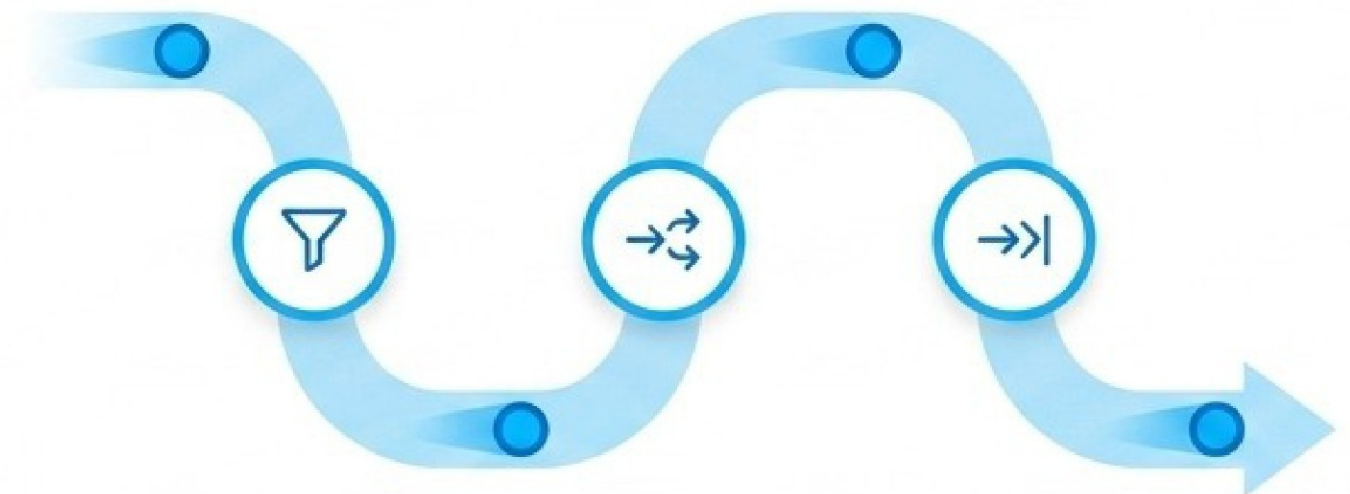
The Reactive Paradigm Shift

Traditional Imperative Programming



Hard to scale, difficult to debug, and prone to unhandled errors when scaling complex web applications.

Reactive Programming with RxJS



Asynchronous events are treated as continuous, manageable data streams. Clean, maintainable, and highly efficient.

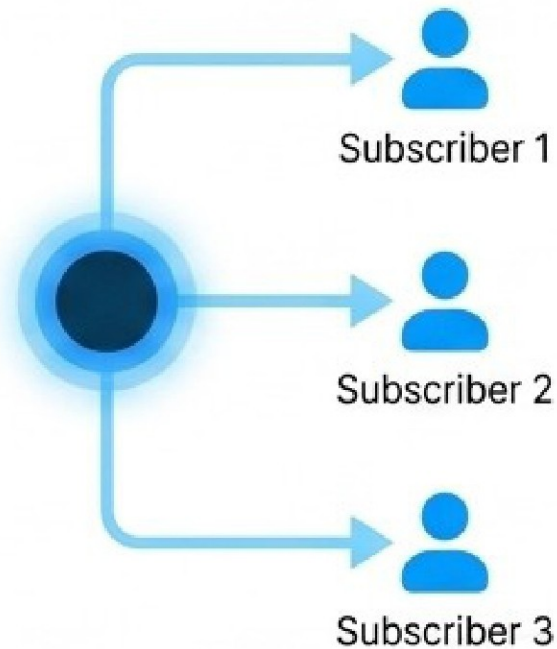
The Learning Ascent



Module Deep-Dive: Observables & Operators

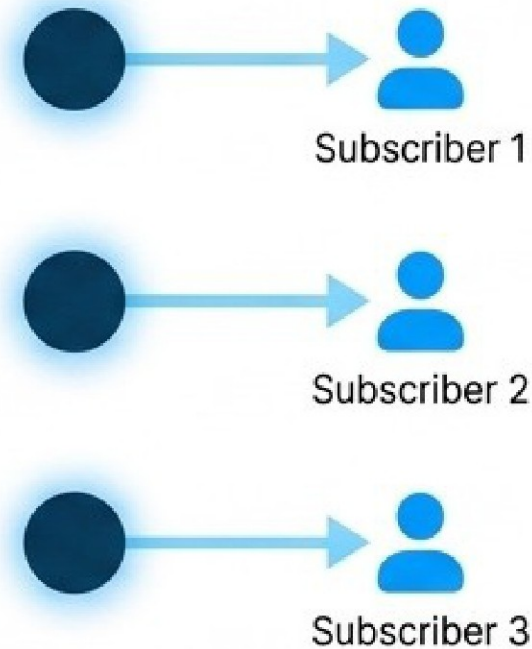
Observable Mastery: Managing the Data Stream

Hot Observables



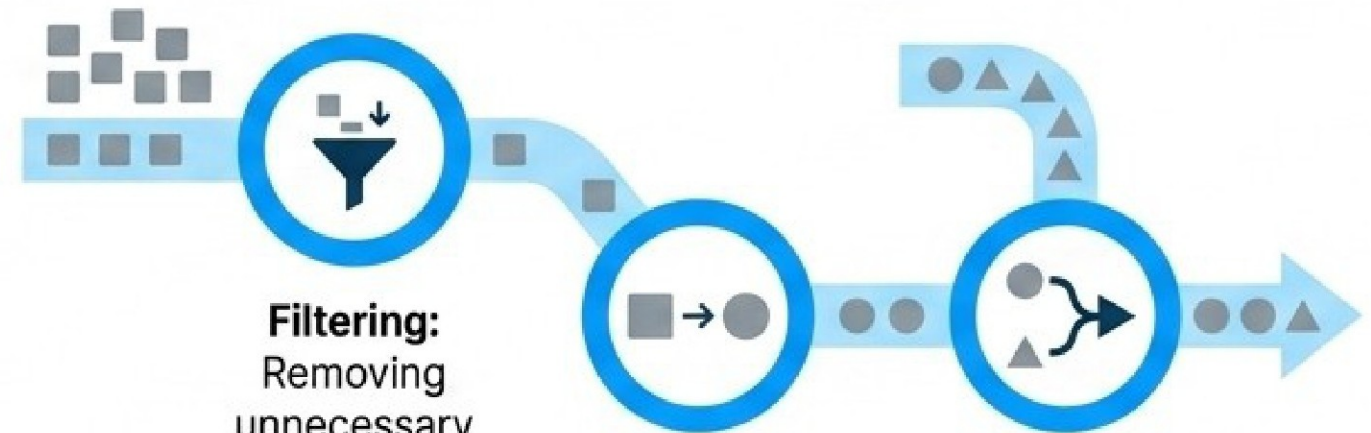
Multiple subscribers share one execution.
(e.g., Mouse events)

Cold Observables



Independent executions per subscriber.
(e.g., HTTP requests)

The Operator Pipeline: Transforming the Flow



Filtering:
Removing unnecessary stream data.

Transformation:
Modifying data shape.

Combination:
Merging multiple streams.

Filtering, transforming, and utility operators manipulate data flow.

Module Deep-Dive: Enterprise Application



Advanced Resilience

Error Handling

Implementing advanced retry strategies and managing error propagation to ensure the web application never fails silently.



Complex State Management

Combining Observables

Utilizing Subjects and Schedulers to handle highly complex, interwoven application states and multi-source event handling.

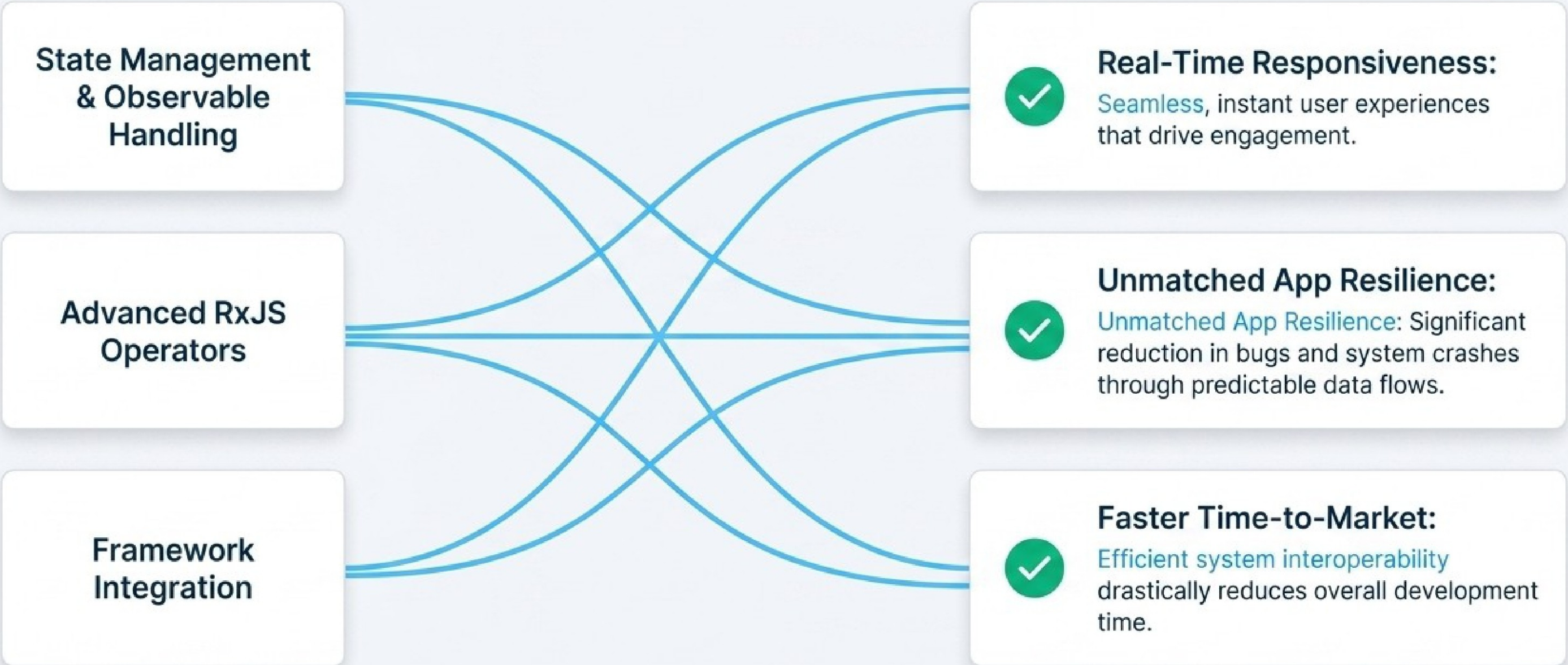


Modern Web Dev

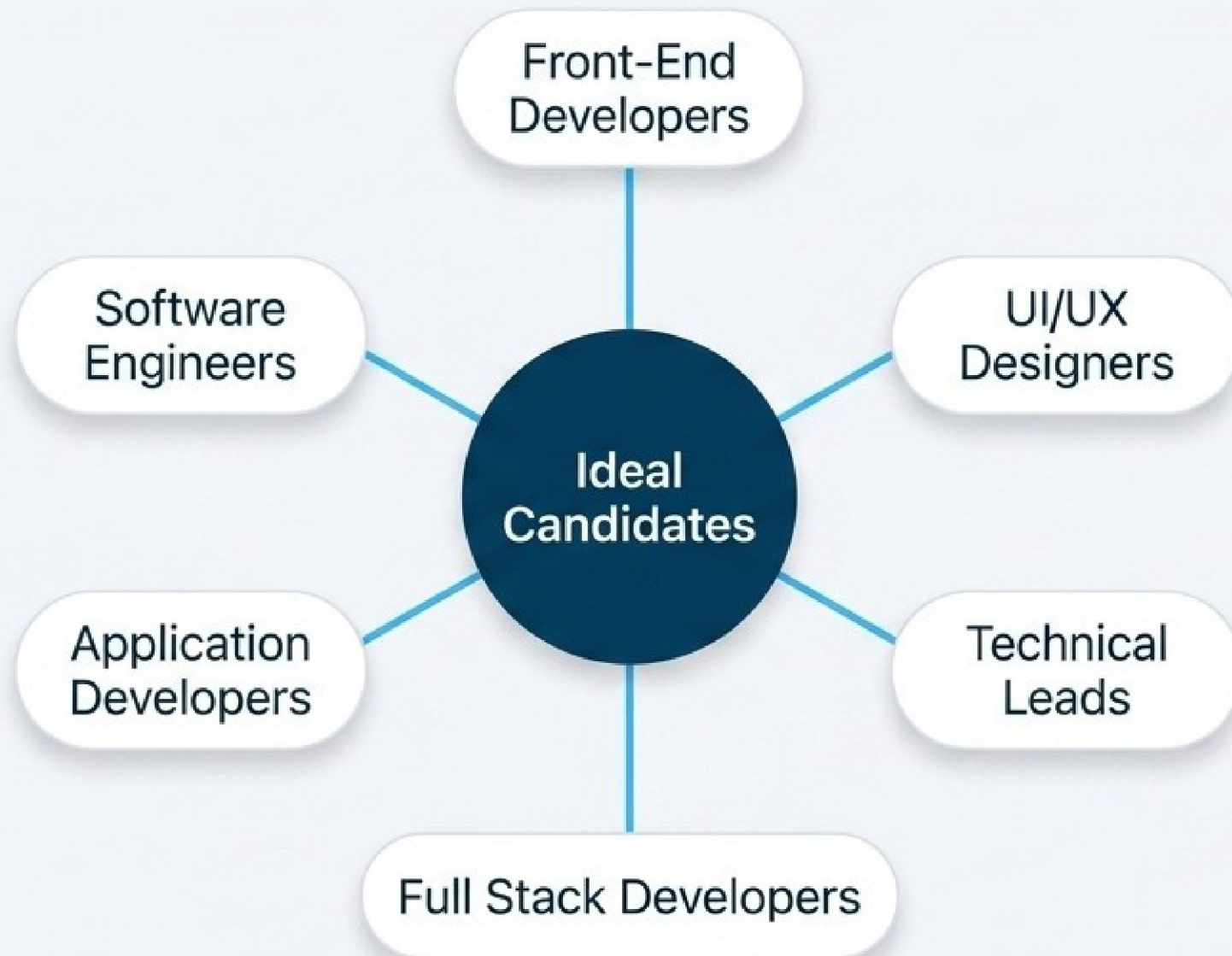
Framework Integration

Seamlessly combining RxJS reactive patterns with industry-standard front-end frameworks like Angular and React.

From Technical Skill to Business Value



Audience Alignment & Prerequisites



Baseline Requirements

To maximize the value of this course, attendees should possess:

- Basic understanding of JavaScript (including ES6 features)
- Familiarity with HTML and CSS
- Working knowledge of standard front-end development concepts

Select Your Delivery Modality

	Virtual Live (Instructor-Led)	On-Site (Face-to-Face)	Off-Site (Face-to-Face)
Logistics	Join from own workspace	Edstellar trainers at your office	Hosted at a preferred external venue
Engagement Style	Interactive remote tools	Group exercises & live demos	Uninterrupted focus & bonding
Best For	Distributed global teams	Highly collaborative internal teams	Deep-dive offsite retreats

Global Scale. Localized Delivery.

Delivering capability across 100+ countries with standardized content for consistent outcomes.



English

Español

普通话 (Mandarin)

Deutsch

العربية (Arabic)

Português

हिंदी (Hindi)

Français

日本語 (Japanese)

Italiano

Vetted Global Trainers

Drawn from a curated network of industry experts, keeping every session practical, impactful, and rooted in real-world application.

Industry-Relevant Curriculum

Programs built and continually updated by technical experts to match the evolving demands of modern software architecture.

Full Customization

Tailored setup and content matching your specific workplace, tech stack, and organizational objectives.

Comprehensive L&D Support

End-to-end management including pre-session alignment, training administration, and post-session sustainment.

Evidence of Engineering Impact

Strengthened Capabilities

Instrumental in strengthening our engineering teams and building future-ready capabilities across multiple projects.

Aditi Rao, L&D Head, Global Technology Company

45% Faster

We've reduced implementation timelines by 45% on comparable projects, demonstrating immediate value from this investment.

Martin Cerny, React Developer, Frontend Engineering Company

Ahead of Schedule

Significantly enhanced our delivery capacity. We completed our comprehensive digital transformation initiative significantly ahead of schedule.

Bassam Hadi, Software Engineer, Frontend Architecture Firm

Enterprise Scaling Packages

Starter

**120
Licenses**

64 Hours of group training
(VILT / On-site)

Tailored for SMBs

MOST POPULAR

Growth

**320
Licenses**

160 Hours of group
training

Ideal for growing organizations

Enterprise

**800+
Licenses**

400 Hours of group
training

Designed for large corporations

(Note: Custom unlimited licensing also available)

Ready to transform your asynchronous architecture?

Get a proposal shaped specifically to your engineering team's size, location, and technical needs.

Related Engineering Capabilities

