

Proposed Domain Categories with JTBD Job Statements

This document is a companion to [guides-landing-page-plan.md](#). It contains the proposed 15-domain taxonomy with full guide mapping tables, JTBD job statements, learning paths, and scope notes.

The 15 domains below are a proposed starting point, not a final taxonomy. The guide assignments and topic cluster ordering within each domain are initial recommendations based on content analysis. Step 1 of the implementation roadmap includes reviewing and refining each domain with subject matter experts — extension maintainers, documentation maintainers, and stakeholders — before the taxonomy is committed to `domains.yaml`.

For a compact overview of all 15 domains, see the [Guide Distribution Summary](#) in the main plan.

Cross-reference policy

Three guides appear in two domains. Each has one **primary domain** (where it lives in the sidebar and counts toward the guide total) and one **secondary domain** (where it appears as a “See also” link):

Guide	Primary Domain	Secondary Domain
Use the Quarkus CLI	Get Started	Use Build Tools
Protect secrets in configuration	Secure Your Application	Understand the Runtime
Write native-compatible code	Deploy to the Cloud	Write Extensions

In `domains.yaml`, secondary entries use an `also-in` flag so the sidebar and landing page can render them as cross-references rather than full entries.

Learning path policy

Domains with more than 25 guides include a recommended learning path on the domain page. The learning path is a curated sequence of 4-6 guides that gives a newcomer a clear reading order through the domain’s most important concepts. Domains below this threshold have few enough guides that the topic-clustered ordering is sufficient.

1. Get Started

“When I’m evaluating Quarkus or starting a new project, I want to create a working application quickly, so I can understand the developer experience and decide if Quarkus fits my needs.”

Current Title	JTBD Title	Type
Creating Your First Application	Create your first application	tutorial
Your second Quarkus application	Build your second application with Dev Services	tutorial
Getting Started With Reactive	Get started with reactive	tutorial
Using our Tooling	Explore the developer toolchain	tutorial
Quarkus Tools in your favorite IDE	Set up IDE tooling	tutorial
Building Quarkus apps with Quarkus Command Line Interface (CLI)	Use the Quarkus CLI	howto
Configuring Your Application	Configure your application	howto
Configuration Reference Guide	Configuration properties	reference
Mapping configuration to objects	Map configuration to objects	howto
YAML configuration	Use YAML configuration	howto
Testing Your Application	Test your application	howto
Continuous Testing	Use continuous testing	howto
Using Kotlin	Use Kotlin	howto

Guide count: 13

2. Build Backend APIs

“When I need to expose HTTP endpoints, consume external APIs, or build service-to-service communication, I want to create and configure API services efficiently, so I can build reliable backends and integrations.”

Learning path: Write REST services with Quarkus REST → Use the REST Client → Validate input with Hibernate Validator → Generate OpenAPI docs and use Swagger UI → Build resilient services with fault tolerance. Start with building and consuming REST APIs, then add validation and documentation, then fault tolerance for production readiness.

Scope note: This domain covers all backend API protocols — REST, gRPC, and GraphQL — because users think “build an API,” not “do gRPC.” The domain name uses “Backend APIs” rather than “REST APIs” to reflect this broader boundary and to distinguish it clearly from Build Web UIs (browser-facing).

Current Title	JTBD Title	Type
Writing REST Services with Quarkus REST	Write REST services with Quarkus REST	howto
Writing JSON REST Services	Write JSON REST services	howto
Using the REST Client	Use the REST Client	howto
Using OpenAPI and Swagger UI	Generate OpenAPI docs and use Swagger UI	howto
Using Reactive Routes	Use reactive routes	howto
Validation with Hibernate Validator	Validate input with Hibernate Validator	howto
SmallRye Fault Tolerance	Build resilient services with fault tolerance	howto
Cross-Site Request Forgery Prevention	Prevent Cross-Site Request Forgery (CSRF)	howto
Generating Jakarta REST resources with Panache	Generate REST resources with Panache	howto
Use virtual threads in REST applications	Use virtual threads in REST applications	howto
Migrating to Quarkus REST	Migrate to Quarkus REST	howto
SmallRye GraphQL	Build GraphQL services	howto
SmallRye GraphQL Client	Use the GraphQL client	howto
gRPC	Understand gRPC in Quarkus	concept
Getting Started with gRPC	Get started with gRPC	tutorial
Implementing a gRPC Service	Implement a gRPC service	howto
Consuming a gRPC Service	Consume a gRPC service	howto
Deploying your gRPC Service in Kubernetes	Deploy a gRPC service to Kubernetes	howto
Quarkus Virtual Thread support for gRPC services	Use virtual threads with gRPC	howto
Using gRPC CLI	Use the gRPC CLI	howto

Current Title	JTBD Title	Type
Using xDS gRPC	Use xDS with gRPC	howto
HTTP Reference	HTTP configuration	reference
TLS registry reference	TLS registry configuration	reference
Cross-Origin Resource Sharing (CORS)	CORS configuration	reference
Load Shedding reference guide	Load shedding configuration	reference
gRPC reference guide	gRPC server and client configuration	reference
gRPC code generation reference guide	gRPC code generation configuration	reference
RESTEasy Classic	RESTEasy Classic compatibility	reference
Using the legacy REST Client	Use the legacy REST Client	howto
Using the legacy REST Client with Multipart	Use the legacy REST Client with multipart	howto
Web dependency locator	Web dependency locator	reference

Guide count: 31

3. Build Web UIs

“When I need to build a full-stack web application with server-side rendering, templating, or real-time WebSocket communication, I want to use Quarkus web UI frameworks, so I can deliver interactive web experiences with Java on the backend.”

Scope note: This domain is limited to browser-facing UI concerns (Qute templates, WebSockets, web bundler). All HTTP API work lives in Build Backend APIs.

Current Title	JTBD Title	Type
Quarkus for the Web	Explore Quarkus web frameworks	concept
Qute Templating Engine	Use the Qute templating engine	howto
Qute Reference Guide	Qute template language	reference
Getting started with WebSockets Next	Build a WebSocket application	tutorial

Current Title	JTBD Title	Type
WebSockets Next reference guide	WebSockets Next configuration	reference
Using WebSockets with Undertow	Use legacy WebSockets with Undertow	howto

Guide count: 6

Note: This domain will grow as Quarkiverse web frameworks (Renarde, Quinoa, Web Bundler) mature and their guides enter the main documentation set.

4. Access and Manage Data

“When I need to store, retrieve, or manage persistent data, I want to connect to databases, use ORM frameworks, and manage schemas, so I can build data-driven applications reliably.”

Learning path: Configure data sources → Use Hibernate ORM and Jakarta Persistence → Simplify data access with Panache → Manage schema migrations with Flyway → Cache application data. Start with datasource configuration, then move to ORM, then to the simplified Panache API, then schema management, then caching.

Current Title	JTBD Title	Type
Configure data sources in Quarkus	Configure data sources	reference
Using Hibernate ORM and Jakarta Persistence	Use Hibernate ORM and Jakarta Persistence	howto
Simplified Hibernate ORM with Panache	Simplify data access with Panache	howto
Simplified Hibernate ORM with Panache and Kotlin	Use Panache with Kotlin	howto
Simplified Hibernate Reactive with Panache	Use Hibernate Reactive with Panache	howto
Simplified Hibernate with Panache Next	Use Panache Next	howto
Simplified MongoDB with Panache	Use MongoDB with Panache	howto
Simplified MongoDB with Panache and Kotlin	Use MongoDB with Panache and Kotlin	howto

Current Title	JTBD Title	Type
Using the MongoDB Client	Use the MongoDB client	howto
Using Hibernate Reactive	Use Hibernate Reactive	howto
Reactive SQL Clients	Use reactive SQL clients	howto
Using Flyway	Manage schema migrations with Flyway	howto
Using Liquibase	Manage schema migrations with Liquibase	howto
Using Liquibase MongoDB	Manage MongoDB migrations with Liquibase	howto
Using transactions in Quarkus	Use transactions	reference
Application Data Caching	Cache application data	howto
Infinispan Cache	Infinispan cache configuration	reference
Redis Cache	Redis cache configuration	reference
Using the Redis Client	Use the Redis client	howto
Redis Extension Reference Guide	Redis client configuration	reference
Using the Infinispan Client	Use the Infinispan client	howto
Infinispan Client Extension Reference Guide	Infinispan client configuration	reference
Connecting to an Elasticsearch cluster	Connect to Elasticsearch	howto
Use Hibernate Search with Hibernate ORM and Elasticsearch/OpenSearch	Use Hibernate Search with Hibernate ORM	howto
Use Hibernate Search in Standalone mode with Elasticsearch/OpenSearch	Use Hibernate Search in standalone mode	howto
Using the Cassandra Client	Use the Cassandra client	howto
Using Blaze-Persistence	Use Blaze-Persistence	howto
Narayana LRA Participant Support	Coordinate activities with LRA	howto
Using Software Transactional Memory in Quarkus	Use Software Transactional Memory	howto
Dev Services for Databases	Dev Services for databases	reference

Current Title	JTBD Title	Type
Dev Services for Elasticsearch	Dev Services for Elasticsearch	reference
Dev Services for Infinispan	Dev Services for Infinispan	reference
Dev Services for LRA	Dev Services for LRA	reference
Dev Services for MongoDB	Dev Services for MongoDB	reference
Dev Services for Redis	Dev Services for Redis	reference

Guide count: 35

5. Secure Your Application

“When I need to protect my application from unauthorized access, I want to configure authentication and authorization mechanisms, so I can enforce security policies and protect sensitive resources.”

Learning path: This domain is large (40 guides) and requires a curated reading order within the domain page. The recommended path is: Security overview → Security architecture → Authentication mechanisms → (choose a specific mechanism: OIDC, Basic, JWT, etc.) → Authorization → Testing. The domain page should present this path prominently before the full guide listing.

Current Title	JTBD Title	Type
Quarkus Security overview	Understand Quarkus Security	concept
Quarkus Security architecture	Understand the security architecture	concept
Authentication mechanisms in Quarkus	Understand authentication mechanisms	concept
Identity providers	Understand identity providers	concept
Basic authentication	Understand Basic authentication	concept
Proactive authentication	Understand proactive authentication	concept
Security vulnerability detection and reporting in Quarkus	Understand security vulnerability detection	concept
Getting started with security by using Basic authentication and Jakarta Persistence	Build a secure application with Basic authentication	tutorial

Current Title	JTBD Title	Type
Protect a service application by using OpenID Connect (OIDC) Bearer token authentication	Protect a service with OIDC Bearer tokens	tutorial
Protect a web application by using OpenID Connect (OIDC) authorization code flow	Protect a web application with OIDC authorization code flow	tutorial
Protect a Quarkus web application by using an Auth0 OpenID Connect provider	Protect a web application with Auth0	tutorial
OpenID Connect client and token propagation quickstart	Propagate OIDC tokens between services	tutorial
Migrate from Vert.x OIDC to Quarkus OIDC	Migrate from Vert.x OIDC to Quarkus OIDC	tutorial
OpenID Connect (OIDC) Bearer token authentication	Understand OIDC Bearer token authentication	concept
OpenID Connect authorization code flow mechanism for protecting web applications	Understand OIDC authorization code flow	concept
Configuring Well-Known OpenID Connect Providers	Configure well-known OIDC providers	howto
Quarkus OpenId Connect (OIDC) Expanded Configuration Reference	OIDC expanded configuration	concept
Enable Basic authentication	Enable Basic authentication	howto
Quarkus Security with Jakarta Persistence	Configure security with Jakarta Persistence	howto
Using OpenID Connect (OIDC) and Keycloak to centralize authorization	Centralize authorization with Keycloak	howto
Using OpenID Connect (OIDC) multitenancy	Configure OIDC multitenancy	howto
Dev Services and Dev UI for OpenID Connect (OIDC)	Use Dev Services for OIDC	howto
Authorization of web endpoints	Web endpoint authorization	reference
OpenID Connect (OIDC) configuration properties	OIDC configuration properties	reference

Current Title	JTBD Title	Type
OpenID Connect (OIDC) and OAuth2 client and filters	OIDC and OAuth2 client configuration	reference
OpenID Connect (OIDC) and OAuth2 dynamic client registration	OIDC dynamic client registration	reference
Using JWT RBAC	Use JWT role-based access control	howto
Build, sign, and encrypt JSON Web Tokens	Build, sign, and encrypt JWTs	howto
Using OAuth2 RBAC	Use OAuth2 role-based access control	howto
Using Security with JDBC	Configure security with JDBC	howto
Using Security with an LDAP Realm	Configure security with LDAP	howto
Using Security with WebAuthn	Configure security with WebAuthn	howto
Using Security with .properties File	Configure security with a properties file	howto
Using a Credentials Provider	Use a credentials provider	howto
Using Keycloak Admin Client	Use the Keycloak Admin Client	howto
Security Tips and Tricks	Security tips and tricks	howto
Security Testing	Test security	howto
Secrets in Configuration	Protect secrets in configuration	howto
Using SSL With Native Executables	Use SSL with native executables	howto
Using Proxy Registry	Use the proxy registry	howto

Guide count: 40

6. Send and Receive Messages

“When I need to build event-driven or asynchronous communication between services, I want to produce and consume messages with a broker, so I can decouple my services and handle workloads asynchronously.”

Current Title	JTBD Title	Type
Quarkus Messaging Extensions	Understand Quarkus Messaging	concept
Getting Started to Quarkus Messaging with Apache Kafka	Get started with Kafka messaging	tutorial
Getting Started to Quarkus Messaging with AMQP 1.0	Get started with AMQP 1.0 messaging	tutorial
Getting Started to Quarkus Messaging with Apache Pulsar	Get started with Pulsar messaging	tutorial
Getting Started to Quarkus Messaging with RabbitMQ	Get started with RabbitMQ messaging	tutorial
Apache Kafka Reference Guide	Kafka configuration	reference
Apache Pulsar Reference Guide	Pulsar configuration	reference
Reactive Messaging AMQP 1.0 Connector Reference Documentation	AMQP 1.0 connector configuration	reference
Reactive Messaging RabbitMQ Connector Reference Documentation	RabbitMQ connector configuration	reference
Using Apache Kafka Streams	Use Kafka Streams	howto
Using Apache Kafka with Schema Registry and Avro	Use Kafka with Schema Registry and Avro	howto
Using Apache Kafka with Schema Registry and JSON Schema	Use Kafka with Schema Registry and JSON Schema	howto
Kafka Dev UI	Use the Kafka Dev UI	howto
Quarkus Virtual Thread support with Reactive Messaging	Use virtual threads with Reactive Messaging	howto
Using the event bus	Use the Vert.x event bus	howto
Using JMS	Use JMS messaging	howto
Dev Services for Kafka	Dev Services for Kafka	reference
Dev Services for AMQP	Dev Services for AMQP	reference
Dev Services for Pulsar	Dev Services for Pulsar	reference
Dev Services for RabbitMQ	Dev Services for RabbitMQ	reference
Dev Services for Apicurio Registry	Dev Services for Apicurio Registry	reference

7. Deploy to the Cloud

“When I need to run my application in production, I want to build optimized artifacts, create container images, and deploy to cloud platforms, so I can ship my application with confidence.”

Learning path: Build container images → Deploy to Kubernetes → Build a native executable → Write native-compatible code → Deploy to OpenShift. Start with containerization, then Kubernetes deployment, then native compilation for production optimization.

Scope note: Native compilation guides live here because native is a deployment optimization, not a standalone user journey. A developer building a native executable is doing so to deploy it.

Current Title	JTBD Title	Type
Building a Native Executable	Build a native executable	tutorial
Container Images	Build container images	howto
Kubernetes extension	Deploy to Kubernetes	howto
Deploying Quarkus applications to OpenShift	Deploy to OpenShift	howto
Deploying Quarkus applications to OpenShift in a single step	Deploy to OpenShift in a single step	howto
Deploying Quarkus Java applications to OpenShift by using a Docker build strategy	Deploy to OpenShift with Docker	howto
Deploying Quarkus applications compiled to native executables	Deploy native executables to OpenShift	howto
Using S2I to deploy Quarkus applications to OpenShift	Deploy to OpenShift with S2I	howto
Deploying to Google Cloud Platform (GCP)	Deploy to Google Cloud	howto
Deploying to Microsoft Azure Cloud	Deploy to Azure	howto
Deploying to Heroku	Deploy to Heroku	howto
AWS Lambda	Deploy to AWS Lambda	howto

Current Title	JTBD Title	Type
AWS Lambda SnapStart Configuration	Configure AWS Lambda SnapStart	howto
AWS Lambda with Quarkus REST, Undertow, or Reactive Routes	Deploy REST services to AWS Lambda	howto
Azure Functions	Deploy Azure Functions	howto
Azure Functions with Quarkus REST, Undertow, or Reactive Routes	Deploy REST services to Azure Functions	howto
Google Cloud Functions (Serverless)	Deploy Google Cloud Functions	howto
Google Cloud Functions (Serverless) with Quarkus REST, Undertow, or Reactive Routes	Deploy REST services to Google Cloud Functions	howto
Funqy	Understand the Funqy serverless framework	concept
Funqy AWS Lambda Binding	Use Funqy with AWS Lambda	howto
Funqy Google Cloud Functions	Use Funqy with Google Cloud Functions	howto
Funqy HTTP Binding (Standalone)	Use Funqy HTTP binding	howto
Funqy HTTP Binding with AWS Lambda	Use Funqy HTTP with AWS Lambda	howto
Funqy HTTP Binding with Azure Functions	Use Funqy HTTP with Azure Functions	howto
Funqy HTTP Binding with Google Cloud Functions	Use Funqy HTTP with Google Cloud Functions	howto
Funqy Knative Events Binding	Use Funqy with Knative Events	howto
Kubernetes Client	Use the Kubernetes Client	howto
Kubernetes Config	Read configuration from Kubernetes ConfigMaps	howto
Getting Started with SmallRye Stork	Discover services with SmallRye Stork	howto
Stork Reference Guide	Stork configuration	reference
Using Stork with Kubernetes	Use Stork with Kubernetes	howto
Dev Services for Kubernetes	Dev Services for Kubernetes	reference

Current Title	JTBD Title	Type
Initialization tasks	Configure initialization tasks	howto
Automate Quarkus deployment with Ansible	Automate deployment with Ansible	howto
AppCDS	Optimize startup with AppCDS	howto
Native Reference Guide	Native compilation configuration	reference
Tips for writing native applications	Write native-compatible code	howto
Compressing native executables using UPX	Compress native executables with UPX	howto

Guide count: 38

8. Observe Your Application

“When I need to monitor, troubleshoot, or understand the runtime behavior of my application, I want to collect and export metrics, traces, and logs, so I can detect issues early and maintain service reliability.”

Current Title	JTBD Title	Type
Observability in Quarkus	Understand observability in Quarkus	reference
Collect metrics using Micrometer	Collect metrics with Micrometer	tutorial
Migrate from OpenTracing to OpenTelemetry tracing	Migrate from OpenTracing to OpenTelemetry	tutorial
SmallRye Health	Check application health	howto
Using OpenTelemetry Tracing	Use OpenTelemetry tracing	howto
Using OpenTelemetry Metrics	Use OpenTelemetry metrics	howto
Using OpenTelemetry Logging	Use OpenTelemetry logging	howto
Using OpenTelemetry	OpenTelemetry configuration	reference
Micrometer Metrics	Micrometer metrics configuration	reference
Micrometer and OpenTelemetry extension	Micrometer-to-OpenTelemetry bridge configuration	reference

Current Title	JTBD Title	Type
Logging configuration	Logging configuration	reference
Centralized log management (Graylog, Logstash, Fluentd)	Centralize logs with Graylog, Logstash, or Fluentd	howto
Using JDK Flight Recorder	Use JDK Flight Recorder	howto
Management interface reference	Management interface configuration	reference
Observability Dev Services	Dev Services for observability	reference
Observability Dev Services with Grafana OTel LGTM	Use Grafana OTel LGTM Dev Services	howto

Guide count: 16

9. Understand the Runtime

“When I need to understand how Quarkus works under the hood – dependency injection, the reactive engine, virtual threads, or the application lifecycle – I want clear explanations and configuration guidance, so I can make informed architectural decisions.”

Scope note: This domain and Automate and Integrate were split from a single “Core Framework” domain that had ~31 guides. The split separates “how Quarkus works” (CDI, reactive engine, lifecycle) from “do things beyond HTTP” (scheduling, mailer, integrations).

Current Title	JTBD Title	Type
Introduction to Contexts and Dependency Injection (CDI)	Understand CDI and dependency injection	concept
Contexts and Dependency Injection	CDI configuration	reference
Application Initialization and Termination	Manage application lifecycle events	howto
Quarkus Reactive Architecture	Understand the reactive architecture	concept
Mutiny - Async for mere mortals	Use Mutiny for reactive programming	howto
Context Propagation in Quarkus	Propagate context in async code	howto
Duplicated context, context locals, asynchronous processing	Understand duplicated context and propagation	concept

Current Title	JTBD Title	Type
and propagation		
Virtual Thread support reference	Virtual threads configuration	reference
Extending Configuration Support	Extend configuration support	howto
Secrets in Configuration	Protect secrets in configuration	howto
Dev Services Overview	Understand Dev Services	concept
Compose Dev Services	Configure custom Dev Services with Compose	howto
How dev mode differs from a production application	Understand dev mode differences	concept
Using Eclipse Vert.x API from a Quarkus Application	Use the Vert.x API	howto
Vert.x Reference Guide	Vert.x configuration	reference
Class Loading Reference	Class loading	reference
Command Mode Applications	Command mode applications	reference
Platform	Understand Quarkus platforms	concept
Quarkus Extension Registry	Understand the extension registry	concept
Quarkus Base Runtime Image	Quarkus base runtime image	reference
Config Reference Guide	Configuration reference	reference
Testing components	Test individual components	howto

Guide count: 22

10. Automate and Integrate

“When I need to schedule recurring tasks, send email, apply business rules, or integrate with external systems beyond HTTP and messaging, I want purpose-built extensions, so I can add these capabilities without writing integration code from scratch.”

Current Title	JTBD Title	Type
Scheduling Periodic Tasks	Schedule periodic tasks	howto
Scheduling Periodic Tasks with Quartz	Schedule tasks with Quartz	howto

Current Title	JTBD Title	Type
Scheduler Reference Guide	Scheduler configuration	reference
Sending emails using SMTP	Send email with SMTP	howto
Mailer Reference Guide	Mailer configuration	reference
Defining and executing business rules with Drools	Define business rules with Drools	howto
Apache Camel on Quarkus	Integrate with Apache Camel	howto
Command Mode with Picocli	Build CLI applications with Picocli	howto
Scripting with Quarkus	Script with JBang	howto

Guide count: 9

11. Use Build Tools

“When I need to build, package, test, or manage my project, I want to use standard build tools with Quarkus-specific optimizations, so I can integrate Quarkus into my existing development workflow.”

Current Title	JTBD Title	Type
Quarkus and Maven	Build with Maven	howto
Quarkus and Gradle	Build with Gradle	howto
Quarkus Maven Plugin	Quarkus Maven Plugin	reference
Building Quarkus apps with Quarkus Command Line Interface (CLI)	Use the Quarkus CLI	howto
Generating CycloneDX BOMs	Generate CycloneDX SBOMs	howto
Packaging And Releasing With JReleaser	Package and release with JReleaser	howto
Using Podman with Quarkus	Use Podman with Quarkus	howto
Re-augment a Quarkus Application	Re-augment an application	howto
Measuring Performance	Measure performance	howto
Build analytics	Understand build analytics	concept
All configuration options	All configuration properties	reference

Current Title	JTBD Title	Type
Update projects to the latest Quarkus version	Update to the latest Quarkus version	howto
Measuring the coverage of your tests	Measure test coverage	howto

Guide count: 13

12. Use Spring APIs

“When I’m moving an existing Spring Boot application to Quarkus or prefer Spring-style annotations, I want to use familiar Spring APIs as a bridge, so I can migrate incrementally without rewriting everything at once.”

Scope note: Named “Use Spring APIs” rather than “Migrate from Spring” to cover both migration scenarios and teams that simply prefer Spring-style annotations.

Current Title	JTBD Title	Type
Quarkus Extension for Spring DI API	Use Spring DI annotations	howto
Quarkus Extension for Spring Web API	Use Spring Web annotations	howto
Extension for Spring Data API	Use Spring Data JPA	howto
Extension for Spring Data REST	Use Spring Data REST	howto
Quarkus Extension for Spring Security API	Use Spring Security annotations	howto
Quarkus Extension for Spring Cache API	Use Spring Cache annotations	howto
Quarkus Extension for Spring Scheduling API	Use Spring Scheduling annotations	howto
Accessing application properties with Spring Boot properties API	Use Spring Boot @ConfigurationProperties	howto
Reading properties from Spring Cloud Config Server	Read from Spring Cloud Config Server	howto

Guide count: 9

13. Write Extensions

“When I need to extend Quarkus with custom build-time optimizations or integrate a new library, I want to build and package a Quarkus extension, so I can contribute reusable functionality to the ecosystem.”

Current Title	JTBD Title	Type
Writing Your Own Extension	Write an extension	howto
Building my first extension	Build your first extension	tutorial
A maturity matrix for Quarkus extensions	Understand extension maturity levels	concept
Frequently asked questions about writing extensions	Extension development FAQ	reference
Extension Capabilities	Understand extension capabilities	concept
Extension codestart	Create an extension codestart	howto
Quarkus Extension Metadata	Extension metadata format	reference
Conditional Extension Dependencies	Configure conditional extension dependencies	howto
CDI Integration Guide	Integrate with the CDI container	howto
Writing a Dev Service	Write a Dev Service	howto
Dev UI	Extend the Dev UI	howto
Dev Assistant	Use the Dev Assistant	howto
Dev MCP	Use Dev MCP	howto
Build Items	Build items catalog	reference
Tips for writing native applications	Write native-compatible code	howto

Guide count: 15

14. Contribute to Quarkus Docs

“When I want to contribute documentation to the Quarkus project, I want to understand the content standards and workflow, so I can write content that meets the project’s quality bar.”

Current Title	JTBD Title	Type
Quarkus documentation content types	Understand documentation content types	concept
Quarkus style and content guidelines	Documentation style guide	reference
Contribute to Quarkus documentation	Contribute documentation	howto
Creating a tutorial	Create a tutorial	tutorial

Guide count: 4

15. Build AI Applications

“When I need to integrate large language models, RAG pipelines, or AI services into my application, I want to use Quarkus AI extensions, so I can build intelligent applications with Java.”

No guides exist in the main repository yet. This domain is a placeholder that reflects the growing quarkus-langchain4j extension ecosystem and the prominent AI section already present in the quarkus.io navigation (AI Overview, Java for AI, Quarkus for AI, AI Blueprints).

Expected future guides:

Expected Title	Type
Get started with LangChain4j	tutorial
Use chat models and prompt templates	howto
Build a RAG pipeline	tutorial
Configure embedding stores	howto
Use AI services with CDI	howto
LangChain4j configuration	reference

Guide count: 0 (placeholder)