Related Roadmaps

- DevOps Roadmap
- AWS Roadmap
- Node.js Roadmap

Useful Links

- Cloudflare Docs
- Discord Community

Cloudflare

Find the detailed version of this roadmap along with other similar roadmaps

roadmap.sh

Prerequisites

- JavaScript Fundamentals
- Basic Command-line Knowledge
- HTTP and Web Protocols
- Git Basics

Core Development Skills

- Node.js and NPM
- TypeScript Fundamentals
- Understand Serverless Architecture

Workers Core Concepts

- Workers Runtime Environment
- Edge Computing Fundamentals
- Request/Response Handling
- Fetch API and Runtime APIs
- Workers Lifecycle
- Service Bindings
- Caching Strategies
- Middleware Patterns
- Bindings
- Logging and Monitoring

Frameworks and Tools

- API Routers
  - Hono
  - Itty Router
- Frontend Frameworks
  - Any Frontend Framework
- Building / Deploying
  - Wrangler
  - Miniflare
- DevTools Integration
- CI/CD Pipelines

Storage Solutions

- Workers KV
  - Key-value Operations
  - Metadata Handling
  - Bulk Operations
  - Caching Patterns
- R2 Storage
  - Object Storage
  - Large File Handling
  - Asset Management
  - Bucket Operations
  - Bucket Lifecycle
- D1
  - Schema Management
  - Migrations
  - Query Optimization
  - Frameworks
    - Drizzle
    - Prisma
- Durable Execution
  - Durable Objects
    - State Management
    - Coordination
    - Persistence
    - Transactional Operations
  - Queues
    - Message Processing
    - Background Jobs
    - Rate Limiting
    - Dead Letter Queues
- Workflows

Advanced Features

- Workers AI
  - Text Generation
  - Image Processing
  - Speech Rcognition
  - AI Model Integration
- Vectorize
  - Vector Embeddings
  - Similarity Search
  - AI-powered Search
- Stream
  - Video Delivery
  - Live streaming
  - Video Processing
- Images
- Calls
- Tunnels
- Browser Rendering
- AI Gateway
- Email Workers
  - Routing
  - Processing
  - Filtering
- Security & Performance
  - Workers Security Model
  - Isolates Architecture
  - Web Security Headers
  - Rate Limiting
  - Cache API
  - HTML Rewriting
  - Edge SSL/TLS
  - Bot Management
- Integration & Workflows
  - Pages Functions
  - Service Bindings
  - Inter Worker Communication
  - External API Integration
  - Webhook Handling
  - Event-driven Architectures
- Development Tools
  - Wrangler
  - Miniflare
  - DevTools
  - Testing Frameworks
  - Monitoring Tools
  - Debugging Techniques

Visit the following relevant tracks to learn more

AWS | Node.js | TypeScript