

Rocket Job

Ruby's missing batch system.

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RocketJob.io



Defining & Running a Job

```
class MyJob < RocketJob::Job
  def perform
    logger.info 'performing'
  end
end
```

```
MyJob.create!
```

```
#=> #<MyJob:0x007fb703e01bb0>
```



Queue for Processing

Job Attributes

```
class MyJob < RocketJob::Job
```

```
  key :file_name, String
```

```
  def perform
```

```
    logger.info "performing: #{file_name}"
```

```
  end
```

```
end
```

```
MyJob.create!(file_name: 'data.csv')
```

```
#=> #<MyJob:0x007fb703ef33e8>
```



Validations

```
class MyJob < RocketJob::Job
```

```
  key :file_name, String
```

```
  validates_presence_of :file_name
```

```
  def perform
```

```
    logger.info 'performing'
```

```
    123
```

```
  end
```

```
end
```

```
MyJob.create!
```

```
#=> Validation failed: File name can't be blank
```



Job Status

```
job = MyJob.create!(  
  file_name:      'data.csv',  
  collect_output: true,  
  destroy_on_complete: false  
)  
#=> #<MyJob:0x007fb6fc623440>
```

```
job.state  
#=> :queued
```

```
# Fetch latest state  
job.reload.state  
#=> :running
```

```
job.reload.completed?  
#=> true
```

```
job.result  
#=> { "result" => 123 }
```

Queued

Running

Completed

Output

Batch Processing (Pro)

```
class CSVJob < RocketJob::Job
  include RocketJob::Plugins::Batch
```

```
  rocket_job do |job|
    job.collect_output = true
  end
```

```
  def perform(line)
    # Parse CSV text line
    row = CSV.parse(line).first
```

```
    # Return the reversed row as CSV
    row.reverse.to_csv
```

```
  end
end
```



Batch Processing (Pro)

Upload file

```
job = CSVJob.new  
job.upload('pricing.xlsx')  
job.save!
```



Download results

```
job.download('reversed.csv')
```



Batch Processing (Pro)

```
job = CSVJob.new(  
  encrypt: true,  
  compress: true  
)  
job.upload('data.zip')  
job.save!
```

Download results

```
job.download('reversed.csv.gz')
```



Rocket Job Web UI

🏠 Jobs

👤 Workers

🔄 Activity

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 **RocketJob**

Home

☰ All

🕒 Scheduled (0)

📁 Queued (5)

▶ Running (1)

✓ Completed (72)

⏸ Paused (1)

⚠ Failed (1)

■ Aborted (2)

Running Jobs

🔄

Show

10

 entries

Search:

↕ Class	↕ Description	Progress	↕ Priority	↕ Started
▶ RocketJob::Jobs::PerformanceJob	Performance Testing		20	7.032s ago

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🕒 Scheduled (1)

 Queued (4)

► Running (0)

✓ Completed (73)

■ Paused (1)

⚠ Failed (1)

■ Aborted (1)

Show 10 entries

Search:

↕ Class	↕ Description	↕ Priority	Queued For
🔒 RocketJob::Jobs::SimpleJob		50	4.399s
🔒 RocketJob::Jobs::SimpleJob		50	4.934s
🔒 RocketJob::Jobs::SimpleJob		50	5.837s
🔒 RocketJob::Jobs::PerformanceJob	Performance Testing	20	3m 54s

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📁 Queued (5)

▶ Running (0)

✓ Completed (73)

⏸ Paused (1)

⚠ Failed (1)

■ Aborted (1)

Completed Jobs

🔄

Show 10 entries

Search:

↕ Class	↕ Description	Duration	↕ Completed
✓ RocketJob::Jobs::PerformanceJob	Performance Testing	2m 33s	5m 1s ago
✓ RocketJob::Jobs::PerformanceJob	Performance Testing	35.129s	4d 23h 24m ago
✓ RocketJob::Jobs::PerformanceJob	Performance Testing	35.589s	5d 0h 3m ago
✓ RocketJob::Jobs::PerformanceJob	Performance Testing	45.122s	5d 0h 7m ago
✓ RocketJob::Jobs::PerformanceJob	Performance Testing	133.0ms	6d 17h 24m ago
✓ RocketJob::Jobs::PerformanceJob	Performance Testing	167.0ms	6d 17h 38m ago
✓ RocketJob::Jobs::PerformanceJob	Performance Testing	183.0ms	6d 18h 2m ago
✓ RocketJob::Jobs::PerformanceJob	Performance Testing	179.0ms	6d 18h 3m ago
✓ RocketJob::Jobs::PerformanceJob	Performance Testing	141.0ms	6d 18h 8m ago
✓ RocketJob::Jobs::PerformanceJob	Performance Testing	32.513s	8d 17h 11m ago

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📁 Queued (1)

▶ Running (0)

✓ Completed (73)

⏸ Paused (1)

⚠ Failed (1)

■ Aborted (1)

Scheduled Jobs

🔄

Show

10

 entries

Search:

↕ Class	↕ Description	Runs in	↕ Cron Schedule	Run Now
🕒 RocketJob::Jobs::DirmonJob		1m 53s		Run

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Queued (4)

Running (0)

Completed (73)

Paused (1)

Failed (1)

Aborted (2)

Paused Jobs

Show 10 entries

Search:

↕ Class

↕ Description

↕ Paused

RocketJob::Jobs::PerformanceJob

Performance Testing

4.792s ago

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📁 Queued (0)

▶ Running (0)

✓ Completed (73)

⏸ Paused (0)

⚠ Failed (1)

■ Aborted (1)

Failed Jobs

🔄

Show 10 entries

Search:

↕ Class	↕ Description	↕ Failed
⚠ RocketJob::Jobs::PerformanceJob	Performance Testing	4.193s ago

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 **Rocket Job**

Aborted Jobs

Show 10 entries

Search:

Class	Description	Aborted
RocketJob::Jobs::PerformanceJob	Performance Testing	9.003s ago
RocketJob::Jobs::PerformanceJob	Second	28d 4h 42m ago

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Rocket Job Web UI

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Home

☰ All

⚙️ Starting (0)

▶ Running (4)

⏸ Paused (0)

■ Stopping (0)

Worker Processes

Stop all

Pause all

Resume all



Destroy zombies

Show 10 entries

Search:

↕ Hostname : PID	Workers (Current/Max)	Started	Heartbeat	Actions	
▶ 01a43d9ncfk40zgr:17075	10/10	10m 2s ago	1.933s ago	pause	stop
▶ 01a43d9ncfk40zgr:17077	10/10	9m 59s ago	14.031s ago	pause	stop
▶ 01a43d9ncfk40zgr:17079	10/10	9m 56s ago	11.276s ago	pause	stop
▶ 01a43d9ncfk40zgr:17081	10/10	9m 53s ago	8.453s ago	pause	stop

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- Star project on github
 - github.com/rocketjob/rocketjob



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