

# Underdog Web Frameworks

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# We'll look at these

- Sinatra + Haml + Sass + DataMapper
- Camping + Markaby + ActiveRecord
- Waves +

**3 Webapps in 45  
minutes**

# Why?

```
$ rails demo; du -sh demo; find demo | wc -l; rm -Rf demo  
400K  
85
```

Events

**Name**

**RubyFools**

Ruby conference in Copenhagen and Oslo

**RubyConf**

THE Ruby conference

New Event

**Name**

**Homepage**

**Description**

Create

# REST

GET /create

- # Find all Events

- # Render them + form

POST /create

- # Create an Event

- # Redirect to GET /create

```
<html>
  <head>
    <title>Events</title>
    <link href='/stylesheet.css' media='screen' rel='stylesheet' type='text/css' />
    <meta content='text/html; charset=utf-8' http-equiv='Content-Type' />
  </head>
  <body>
    <table>
      <caption>Events</caption>
      <tr class='odd'>
        <th class='name' scope='col'>Name</th>
      </tr>
      <tr class='even'>
        <td class='name'>
          <a href='http://rubyfools.com'>RubyFools</a>
          Ruby conference in Copenhagen and Oslo
        </td>
      </tr>
      <tr class='odd'>
        <td class='name'>
          <a href='http://rubyconf.org'>RubyConf</a>
          THE Ruby conference
        </td>
      </tr>
    </table>
    <form action='/events' method='POST'>
      <fieldset>
        <legend>New Event</legend>

        <label for='name'>Name</label>
        <input id='name' name='name' size='30' type='text' />
        <br />

        <label for='url'>Homepage</label>
        <input id='url' name='url' size='30' type='text' />
        <br />

        <label for='description'>Description</label>
        <textarea cols='30' id='description' name='description' rows='4' type='description'>
        </textarea>
        <br />

        <input class='submit' name='foo[bar]' type='submit' value='Create' />
      </fieldset>
    </form>
  </body>
</html>
```

```
body {
  background:#B5B5B5 none repeat scroll 0%;
  font-family:Verdana,Arial,"Bitstream Vera Sans",Helvetica,sans-serif;
  line-height:160%;
  margin:0pt;
  padding:30px;
}
h1 {
  display:block;
  padding-bottom:5px;
}
a {
  color:black;
}
form label {
  float:left;
  font-weight:bold;
  width:120px;
}
form input, form textarea {
  margin-bottom:5px;
  width:180px;
}
form input.submit {
  margin-left:120px;
  margin-top:5px;
  width:90px;
}
form br {
  clear:left;
}
table {
  background:#FFFFFF none repeat scroll 0%;
  border:1px solid #000000;
  border-collapse:collapse;
  width:100%;
}
table caption {
  background:#FFFFFF none repeat scroll 0%;
  border-color:#000000 rgb(0, 0, 0) -moz-use-text-color;
  border-style:solid solid none;
  border-width:1px 1px medium;
  margin:0pt;
  padding:8px 20px;
  text-align:left;
}
table th, table td {
  border-bottom:1px solid #B5B5B5;
  margin:0pt;
  padding:8px 20px;
  text-align:center;
}
table th.name, table td.name {
  text-align:left;
}
table th {
  color:#999999;
}
table tr.odd {
  background:#E6E6E6 none repeat scroll 0%;
}
table tr.even {
  background:#F1F1F1 none repeat scroll 0%;
}
table td a {
  display:block;
  font-weight:bold;
}
```

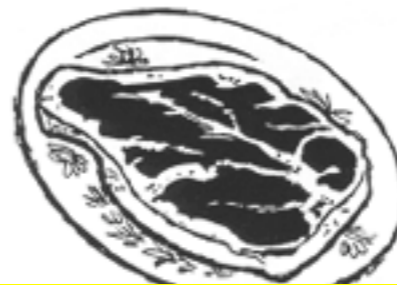




# Sinatra



oo k



SASS



# Camping, a Microframework

## 4Kb

*WAVES*<sup>™</sup>

**144 Kb / 1000 LOC**

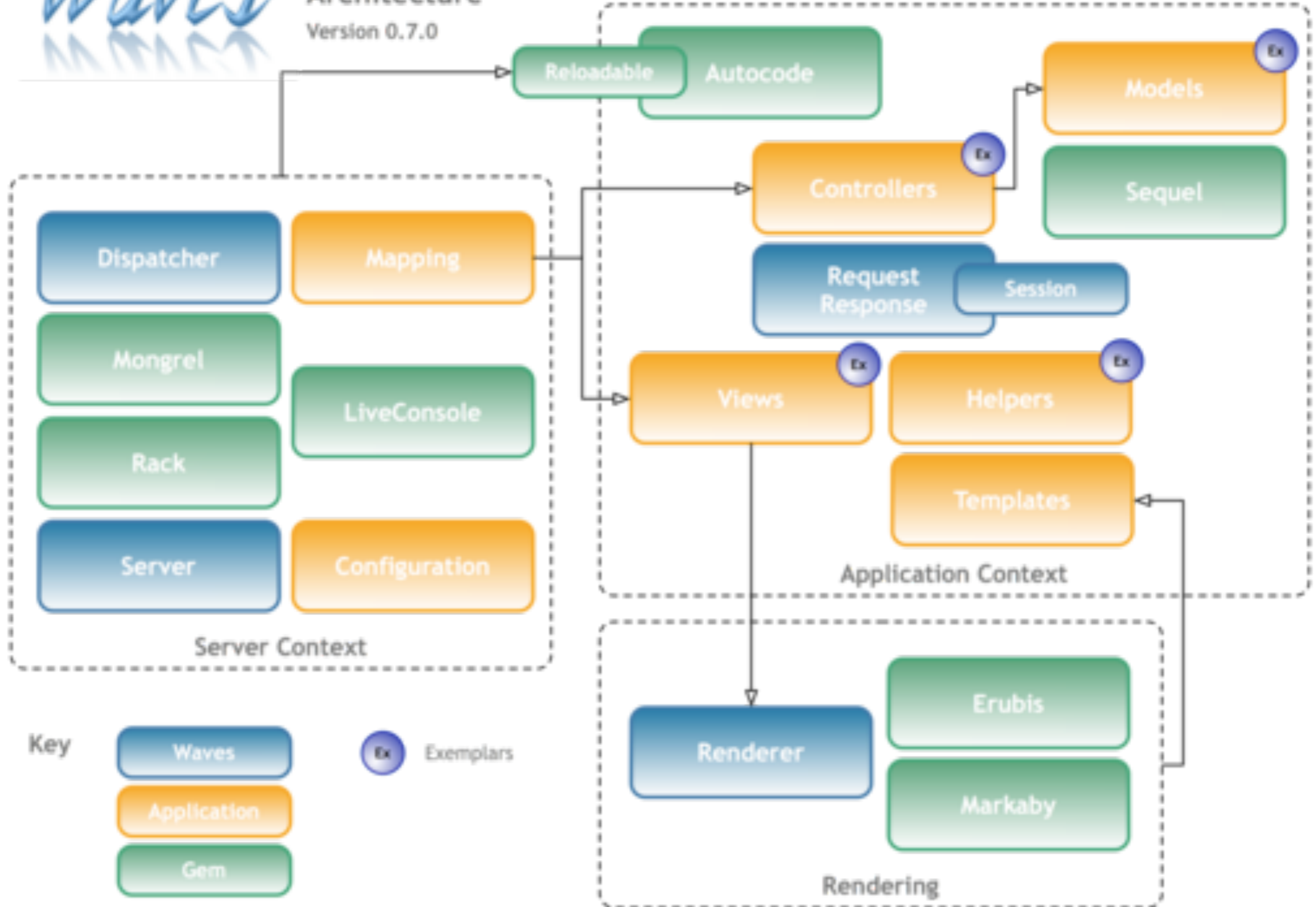
# Waves

- Compact: 1000 LOC
- Sequel (+migrations)
- Rack
- Threadsafe



# Application Architecture

Version 0.7.0



**Key**

- Waves (Blue box)
- Application (Orange box)
- Gem (Green box)
- Ex Exemplars (Blue circle with 'Ex')