

```
1 一、依赖
2 <dependency>
3     <groupId>org.springframework.boot</groupId>
4     <artifactId>spring-boot-starter-web</artifactId>
5     <version>2.3.0.RELEASE</version>
6 </dependency>
7 <dependency>
8     <groupId>org.springframework.boot</groupId>
9     <artifactId>spring-boot-starter-thymeleaf</artifactId>
10    <version>2.6.4</version>
11 </dependency>
12 <dependency>
13     <groupId>org.xhtmlrenderer</groupId>
14     <artifactId>flying-saucer-pdf</artifactId>
15     <version>9.0.7</version>
16 </dependency>
17
18 二、配置
19 [application.yml]
20 spring:
21     thymeleaf:
22         prefix: classpath:/templates/
23         check-template-location: true
24         suffix: .html
25         encoding: UTF-8
26         mode: HTML
27         cache: false
28         servlet:
29             content-type: text/html
30
31 三、工具类
32 @Slf4j
33 public class PdfUtil {
34
35     /**
36      * pdf下载
37      * @param templateEngine 配置
38      * @param templateName 模板名称
39      * @param data 模板参数集
40      * @param fileName 下载文件名称(带文件扩展名后缀)
41      */
42     public static void download(TemplateEngine templateEngine,
43                                String templateName,
44                                Map<String, Object> data,
45                                HttpServletResponse response,
46                                String fileName) {
47         // 设置编码、文件ContentType类型、文件头、下载文件名
48         response.setCharacterEncoding("utf-8");
49         response.setContentType("application/pdf");
50         try {
51             response.setHeader("Content-Disposition", "attachment;fileName=" +
52                               new String(fileName.getBytes("gb2312"), "ISO8859-1"));
53         } catch (UnsupportedEncodingException e) {
54
55             log.error(e.getMessage(), e);
56         }
57     }
58 }
```

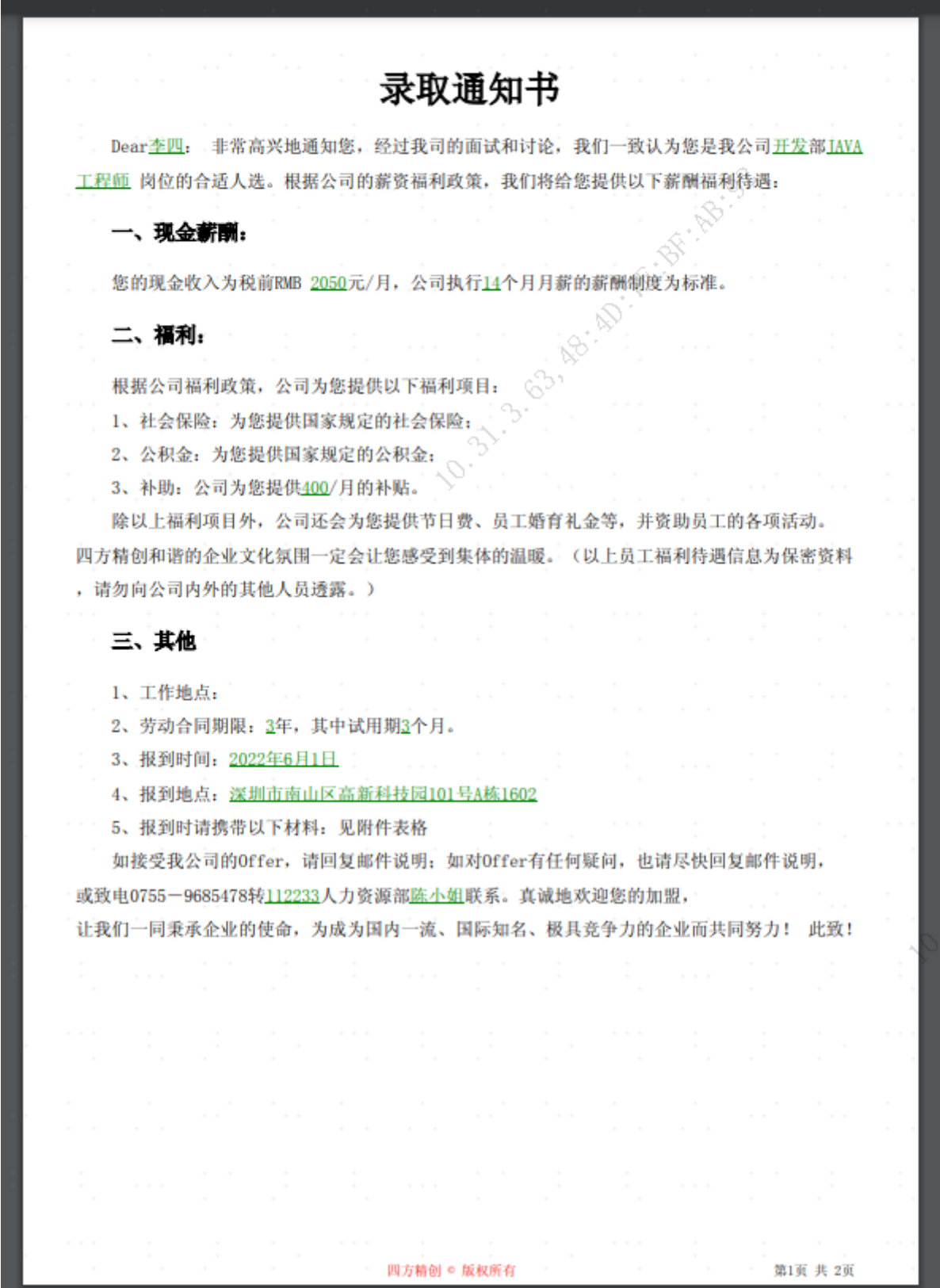
```
55     }
56     try (ServletOutputStream out = response.getOutputStream()) {
57         createPDF(templateEngine, templateName, out, data);
58         out.flush();
59     } catch (Exception e) {
60         log.error(e.getMessage(), e);
61     }
62 }
63
64 /**
65  * pdf预览
66  * @param templateEngine 配置
67  * @param templateName 模板名称
68  * @param data 模板参数集
69  * @param response HttpServletResponse
70  */
71 public static void preview(TemplateEngine templateEngine,
72                           String templateName,
73                           Map<String, Object> data,
74                           HttpServletResponse response) {
75     try (ServletOutputStream out = response.getOutputStream()) {
76         createPDF(templateEngine, templateName, out, data);
77         out.flush();
78     } catch (Exception e) {
79         log.error(e.getMessage(), e);
80     }
81 }
82
83 /**
84  * 生成pdf文档
85  * @param templateName 模板名称
86  * @param data 模板参数
87  */
88 private static void createPDF(TemplateEngine templateEngine,
89                               String templateName, OutputStream out,
90                               Map<String, Object> data) throws Exception {
91     if (CollectionUtils.isEmpty(data)) {
92         log.warn("警告：模板参数为空!");
93         return;
94     }
95     ITextRenderer renderer = new ITextRenderer();
96     //设置字符集(宋体)，此处必须与模板中的<body style="font-family: SimSun">一致，区分大小写，不能写成汉字"宋体"
97     ITextFontResolver fontResolver = renderer.getFontResolver();
98     //设置系统字体，否则不支持中文
99     fontResolver.addFont("static/fonts/simsun.ttf", BaseFont.IDENTITY_H, BaseFont.NOT_EMBEDDED);
100    fontResolver.addFont("static/fonts/simsun.ttc", BaseFont.IDENTITY_H, BaseFont.NOT_EMBEDDED);
101    Document pageDoc = generateDoc(templateEngine, templateName, data);
102    renderer.setDocument(pageDoc, null);
103    //展现和输出pdf
104    renderer.layout();
105    renderer.createPDF(out, false);
106    //写下一个pdf页面
107    //renderer.writeNextDocument();
108    //完成pdf写入
109    renderer.finishPDF();
110 }
111
112 /**
113  * 模板+参数 -> html字符串 -> Document
114  */
115 }
```



```
115     private static Document generateDoc(TemplateEngine templateEngine,
116                                         String templateName,
117                                         Map<String, Object> data) {
118         // 声明一个上下文对象，里面放入要存到模板里面的数据
119         final Context context = new Context();
120         context.setVariables(data);
121         StringWriter stringWriter = new StringWriter();
122         try (BufferedWriter writer = new BufferedWriter(stringWriter)) {
123             templateEngine.process(templateName, context, writer);
124             writer.flush();
125             DocumentBuilder builder = DocumentBuilderFactory.newInstance().newDocumentBuilder();
126             return builder.parse(new ByteArrayInputStream(stringWriter.toString().getBytes()));
127         } catch (Exception e) {
128             log.error(e.getMessage(), e);
129             return null;
130         }
131     }
132 }
133
134 四、测试
135 @Controller
136 @RequestMapping("/pdf/")
137 public class PdfController {
138
139     @Autowired
140     private TemplateEngine templateEngine;
141
142     //模板参数
143     final Map<String, Object> dataList = new HashMap<String, Object>(){
144         put("title", "录取通知书");
145         put("companyName", "四方精创咨询股份有限公司");
146         put("sendDate", new Date());
147         put("employName", "李四");
148         put("bgName", "开发");
149         put("jobName", "JAVA工程师");
150         put("salary", 2050);
151         put("cycle", 14);
152         put("subsidy", 400);
153         put("contractYear", 3);
154         put("contractMonth", 3);
155         put("registerDate", "2022年6月1日");
156         put("address", "深圳市南山区高新科技园101号A栋1602");
157         put("extension", "112233");
158         put("hrName", "陈小姐");
159     };
160
161     @GetMapping("index")
162     public ModelAndView toIndex(ModelAndView mv) {
163         mv.addAllObjects(new HashMap<String, Object>(){
164             put("title", "主题");
165             put("employName", "录用者姓名");
166             put("companyName", "xx有限公司");
167             put("sendDate", new Date());
168         });
169         mv.setViewName("index");
170         return mv;
171     }
172
173     /**
```

```
175     */
176     @GetMapping(value = "/preview")
177     public void preview(HttpServletResponse response) {
178         PdfUtil.preview(templateEngine, "index", dataList, response);
179     }
180
181     /**
182      * pdf渲染 + 下载
183      */
184     @GetMapping(value = "/download")
185     public void download(HttpServletResponse response) {
186         PdfUtil.download(templateEngine, "index", dataList, response, "录取通知书（测试版）.pdf");
187     }
188 }
```

预览效果图



序号	准备材料	备注
1	身份证*	核原件，收复印件1份
2	社保卡及住房公积金联名卡	各收复印件1份
3	体检报告原件*	收原件，公立三甲医院半年内有效
4	原公司离职证明原件*	收原件
5	最高学历证书原件*	核原件，收复印件1份
6	一寸白底免冠证件照*	纸质照片2张，电子照片1张



下载

今天



录取通知书（测试版）.pdf

<http://localhost:8088/pdf/download>

[在文件夹中显示](#)