UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

Current Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported):

August 18, 2015 (August 17, 2015)

GSV CAPITAL CORP.

(Exact name of registrant as specified in its charter)

Maryland

(State or other jurisdiction of incorporation)

1-35156 (Commission File Number) 27-4443543 (I.R.S. Employer Identification No.)

2925 Woodside Road Woodside, CA 94062

(Address of principal executive offices and zip code)

Registrant's telephone number, including area code: (650) 235-4769

Check the appropriate box below if the Form 8-K is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

□ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

□ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

□ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

□ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 5.02 Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.

On August 17, 2015, R. David Spreng resigned from the Board of Directors of GSV Capital Corp., effective immediately.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: August 18, 2015

GSV CAPITAL CORP.

By: /s/ William F. Tanona William F. Tanona Chief Financial Officer, Treasurer and Corporate Secretary