

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

**FORM S-8**

**REGISTRATION STATEMENT UNDER  
THE SECURITIES ACT OF 1933**

**HYPERION DEFI, INC.**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction of incorporation or  
organization)

**47-1178401**  
(I.R.S. Employer Identification No.)

**23461 S. Pointe Drive, Suite 390**  
**Laguna Hills, CA 92653**  
(Address of Principal Executive Offices)

**10017**  
(Zip Code)

**Hyperion DeFi, Inc. Amended and Restated 2018 Omnibus Stock Incentive Plan, as Amended**  
**Hyperion DeFi, Inc. Restricted Stock Unit Inducement Award**  
(Full titles of the plans)

**Michael Rowe**  
**Chief Executive Officer**  
**23461 S. Pointe Drive, Suite 390**  
**Laguna Hills, CA 92653**  
**(833) 393-6684**  
(Name, address and telephone number, including area code, of agent for service)

**Copy:**

**Megan N. Gates**  
**Covington & Burling LLP**  
**1 International Place**  
**Boston, MA 02110**  
**(617) 603-8805**

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer ☐  
Non-accelerated filer ☒

Accelerated filer ☐  
Smaller reporting company ☒  
Emerging growth company ☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act. ☐

## EXPLANATORY NOTE

This Registration Statement registers an aggregate of 5,672,934 additional shares of common stock, par value \$0.0001 per share (“Common Stock”), of Hyperion DeFi, Inc. (the “Company” or the “Registrant”), consisting of (i) 5,172,934 shares of Common Stock issuable pursuant to the Hyperion DeFi, Inc. Amended and Restated 2018 Omnibus Stock Incentive Plan, as amended, representing an increase of 5,172,934 shares of Common Stock reserved for issuance under such plan, as a result of an amendment thereto, which was adopted by the board of directors of the Company on June 26, 2025 and approved by the Company’s stockholders at the Annual Meeting of Stockholders held on August 18, 2025; and (ii) 500,000 shares of Common Stock issuable upon the vesting of restricted stock units (“RSUs”) granted to Hyunsu Jung as an inducement to employment with the Company pursuant to Nasdaq Listing Rule 5635(c)(4), which RSUs vested on June 17, 2025.

Pursuant to General Instruction E to Form S-8 under the Securities Act of 1933, as amended, the contents of the Registrant’s Registration Statements on Form S-8 filed with the U.S. Securities and Exchange Commission (the “Commission”) on [August 27, 2018 \(File No. 333-227049\)](#), [August 14, 2019 \(File No. 333-233280\)](#), [August 14, 2020 \(File No. 333-246288\)](#), [November 12, 2021 \(File No. 333-261035\)](#), [August 12, 2022 \(File No. 333-266823\)](#), [June 27, 2023 \(File No. 333-272962\)](#), and [March 5, 2025 \(333-285583\)](#) are incorporated by reference and made part of this Registration Statement. Any items in such registration statements not expressly changed hereby shall be as set forth in such registration statements.

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## PART II

### INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

#### Item 3. Incorporation of Documents by Reference.

The Company is subject to the informational and reporting requirements of Sections 13(a), 14 and 15(d) of the Securities Exchange Act of 1934 (the “Exchange Act”) and in accordance therewith files reports, proxy statements and other information with the Commission. The following documents, which are on file with the Commission, are incorporated in this Registration Statement by reference:

- (a) The Company’s Annual Report on [Form 10-K for the fiscal year ended December 31, 2024, filed with the Commission on April 15, 2025 \(File No. 001-38365\)](#), as amended by the Company’s [Amendment No. 1 to Annual Report on Form 10-K, filed with the Commission on April 30, 2025](#);
- (b) All other reports filed pursuant to Section 13(a) or 15(d) of the Exchange Act since the end of the fiscal year covered by the document referred to in (a) above (other than the portions of those documents not deemed to be filed); and
- (c) The description of the Company’s Common Stock contained in [Exhibit 4.1 to the Company’s Annual Report on Form 10-K for the fiscal year ended December 31, 2024, filed with the Commission on April 15, 2025 \(File No. 001-38365\)](#).

All documents subsequently filed by the Company pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act, prior to the filing of a post-effective amendment that indicates that all securities offered hereby have been sold or that deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference in this Registration Statement and to be part hereof from the date of the filing of such documents.

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Any statement contained in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for the purposes of this Registration Statement to the extent that a statement contained herein or in any other subsequently filed document that also is or is deemed to be incorporated by reference herein modifies or supersedes such statement. Any statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this Registration Statement.

**Item 8. Exhibits.**

<b>Exhibit No.</b>	<b>Description</b>
<a href="#"><u>4.1</u></a>	<a href="#"><u>Third Amended and Restated Certificate of Incorporation of the Registrant (incorporated herein by reference to Exhibit 3.1 of the Registrant's Current Report on Form 8-K filed on January 29, 2018).</u></a>
<a href="#"><u>4.2</u></a>	<a href="#"><u>Certificate of Amendment to the Third Amended and Restated Certificate of Incorporation of the Registrant (incorporated herein by reference to Exhibit 3.1.1 of the Registrant's Current Report on Form 8-K filed on June 14, 2018).</u></a>
<a href="#"><u>4.3</u></a>	<a href="#"><u>Certificate of Amendment to the Third Amended and Restated Certificate of Incorporation of the Registrant (incorporated herein by reference to Exhibit 3.1 of the Registrant's Current Report on Form 8-K filed on June 14, 2024).</u></a>
<a href="#"><u>4.3</u></a>	<a href="#"><u>Certificate of Amendment to the Third Amended and Restated Certificate of Incorporation of the Registrant (incorporated herein by reference to Exhibit 3.1 of the Registrant's Current Report on Form 8-K filed on January 31, 2025).</u></a>
<a href="#"><u>4.4</u></a>	<a href="#"><u>Certificate of Amendment to the Third Amended and Restated Certificate of Incorporation of the Registrant (incorporated herein by reference to Exhibit 3.1 of the Registrant's Current Report on Form 8-K filed on July 2, 2025).</u></a>
<a href="#"><u>4.5</u></a>	<a href="#"><u>Second Amended and Restated Bylaws of the Registrant (incorporated herein by reference to Exhibit 3.1 of the Registrant's Current Report on Form 8-K filed on February 7, 2022).</u></a>
<a href="#"><u>4.6</u></a>	<a href="#"><u>Hyperion DeFi, Inc. Amended and Restated 2018 Omnibus Stock Incentive Plan, as Amended (incorporated herein by reference to Appendix C of the Registrant's Proxy Statement on Schedule 14A, filed on July 24, 2025).</u></a>
<a href="#"><u>5.1*</u></a>	<a href="#"><u>Opinion of Covington and Burling LLP.</u></a>
<a href="#"><u>23.1*</u></a>	<a href="#"><u>Consent of Marcum LLP.</u></a>
<a href="#"><u>23.2*</u></a>	<a href="#"><u>Consent of Covington and Burling LLP (included in Exhibit 5.1).</u></a>
<a href="#"><u>24.1*</u></a>	<a href="#"><u>Power of Attorney (included on the signature page of this Registration Statement).</u></a>
<a href="#"><u>107*</u></a>	<a href="#"><u>Filing Fees Exhibit.</u></a>

\* Filed herewith.

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## SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Laguna Hills, State of California, on August 18, 2025.

HYPERION DEFI, INC.

By: /s/ Michael Rowe  
Michael Rowe  
Chief Executive Officer

## SIGNATURES AND POWER OF ATTORNEY

Each person whose signature appears below constitutes and appoints Michael Rowe as his or her true and lawful attorney-in-fact and agent, with full power of substitution and resubstitution, for him or her and in name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this Registration Statement, and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorney-in-fact and agent full power and authority to do and perform each and every act and thing requisite or necessary to be done in and about the premises, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorney-in-fact and agent, or his substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following persons in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Michael Rowe</u> Michael Rowe	Chief Executive Officer (Principal Executive Officer) and Director	August 18, 2025
<u>/s/ Michael Rowe</u> Michael Rowe	Principal Financial Officer (Principal Financial and Accounting Officer)	August 18, 2025
<u>/s/ Michael Geltzeiler</u> Michael Geltzeiler	Director	August 18, 2025
<u>/s/ Rachel Jacobson</u> Rachel Jacobson	Director	August 18, 2025
<u>/s/ Hyunsu Jung</u> Hyunsu Jung	Director	August 18, 2025
<u>/s/ Ellen R. Strahlman</u> Ellen R. Strahlman	Director	August 18, 2025

## COVINGTON

BEIJING BOSTON BRUSSELS DUBAI FRANKFURT  
JOHANNESBURG LONDON LOS ANGELES NEW YORK  
PALO ALTO SAN FRANCISCO SEOUL SHANGHAI WASHINGTON

Covington & Burling LLP  
One International Place  
Suite 1020  
Boston, MA 02110-2600  
T +1 617 603 8800

August 18, 2025

Hyperion DeFi, Inc.  
23461 S. Pointe Drive, Suite 390  
Laguna Hills, CA 92653

Ladies and Gentlemen:

We have acted as counsel to Hyperion DeFi, Inc., a Delaware corporation (the “*Company*”), in connection with the registration by the Company under the Securities Act of 1933, as amended (the “*Act*”), of (i) 5,172,934 shares (the “*Plan Shares*”) of the Company’s common stock, par value \$0.0001 per share (the “*Common Stock*”), issuable under the Hyperion DeFi, Inc. Amended and Restated 2018 Omnibus Stock Incentive Plan, as Amended (the “*Plan*”) and (ii) 500,000 shares of Common Stock issuable upon the vesting of restricted stock units granted as an inducement to employment with the Company pursuant to Nasdaq Listing Rule 5635(c)(4) (together with the Plan Shares, the “*Shares*”), pursuant to the Registration Statement on Form S-8 filed with the Securities and Exchange Commission on the date hereof (such registration statement is referred to herein as the “*Registration Statement*”).

We have reviewed such corporate records, certificates and other documents, and such questions of law, as we have considered necessary or appropriate for the purposes of this opinion. We have assumed that all signatures are genuine, that all documents submitted to us as originals are authentic and that all copies of documents submitted to us conform to the originals.

We have relied as to certain matters on information obtained from public officials, officers of the Company and other sources believed by us to be responsible.

Based upon the foregoing, we are of the opinion that the Shares have been duly authorized and, when issued and paid for in accordance with the terms of the Plan (where applicable) and any individual agreements relating to such Shares, the Shares will be validly issued, fully paid and non-assessable.

We are members of the bar of the Commonwealth of Massachusetts. We do not express any opinion herein on any laws other than the General Corporation Law of the State of Delaware and reported judicial decisions interpreting these laws.

We hereby consent to the filing of this opinion as Exhibit 5.1 to the Registration Statement. In giving such consent, we do not thereby admit that we are in the category of persons whose consent is required under Section 7 of the Act.

Very truly yours,

/s/ Covington & Burling LLP

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**CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

We consent to the incorporation by reference in this Registration Statement on Form S-8 of our report dated April 15, 2025 with respect to the financial statements of Hyperion DeFi, Inc. (formerly known as Eyenovia, Inc.), for the year ended December 31, 2024 included in the Annual Report on Form 10-K.

/s/ MARCUM LLP

New York, NY  
August 18, 2025

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# HYPERION DEFI, INC.

	Security Type	Security Class Title	Fee Calculation Rule	Amount Registered	Proposed Maximum Offering Price Per Unit	Maximum Aggregate Offering Price	Fee Rate	Amount of Registration Fee
1	Equity	Common Stock, \$0.0001 par value per share	Other	5,672,934	\$ 6.455	\$ 36,618,788.97	0.0001531	\$ 5,606.34
Total Offering Amounts:						\$ 36,618,788.97		\$ 5,606.34
Total Fee Offsets:								\$ 0.00
Net Fee Due:								\$ 5,606.34

The Maximum Aggregate Offering Price represents (i) 5,172,934 additional shares of the registrant's common stock reserved for issuance under the Hyperion DeFi, Inc. Amended and Restated 2018 Omnibus Stock Incentive Plan, as amended and (ii) 500,000 shares of the registrant's common stock issuable upon the vesting of restricted stock units granted to Hyunsu Jung as an inducement to employment with the Company pursuant to Nasdaq Listing Rule 5635(c)(4).

[illegible]