Enhanced Profile Management API Documentation

Base URL

```
https://your-api-domain.com/api/v1/users
```

Authentication

Protected routes require JWT token in:

- Cookie: `accessToken`
- OR Header: `Authorization: Bearer <token>`

👤 Enhanced Profile Management Endpoints

1. Create/Edit Seller Profile (Enhanced)

POST `/profile` 🔒

Description: Create or update comprehensive seller profile with enhanced fields including profession, location, skills, interests, and achievements.

Content-Type: `multipart/form-data` (supports file uploads)

Request Body:

```json
{
  "fullName": "Sarah Johnson",
  "email": "sarah@example.com",
  "storeName": "sarah-creative-designs",
  "bio": "I'm a passionate graphic designer with over 8 years of experience creating stunning v
  "avatar": "https://example.com/sarah-avatar.jpg",
  "bannerImage": "https://example.com/sarah-banner.jpg",
  "socialLinks": {
    "instagram": "https://instagram.com/sarahcreativedesigns",
    "youtube": "https://youtube.com/c/sarahdesigns",
    "facebook": "https://facebook.com/sarahcreativedesigns",
    "twitter": "https://twitter.com/sarahdesigns",
    "linkedin": "https://linkedin.com/in/sarahjohnson",
    "github": "https://github.com/sarahjohnson",
    "personalWebsite": "https://sarahjohnson.com"
  },
  "website": "https://sarahcreativedesigns.com",
  "language": ["English", "Spanish", "Portuguese"],
  "country": "United States",
  "city": "San Francisco",
  "contactNumber": "+1234567890",
  "profession": "Senior Graphic Designer & Brand Strategist",
  "skills": ["Graphic Design", "Logo Design", "Brand Identity", "Adobe Creative Suite", "Web De
  "interests": ["Digital Art", "Photography", "Travel", "Sustainability", "Tech Innovation", "M
  "achievements": ["Top Seller 2023", "Rising Star Award", "Customer Favorite", "5-Star Rating
}
```

Enhanced Field Specifications:

Field	Type	Required	Validation Rules	Notes
`fullName`	String	✅	• Max 50 characters • Cannot be empty • Automatically trimmed	**Editable** - Users can change their name
`email`	String	❌	• **READ-ONLY** • Cannot be modified	**Protected** - Any attempt to change will return error
`storeName`	String	❌	• Min 3 characters • Max 30 characters • Must be unique • Only letters, numbers, spaces, hyphens, underscores	**Auto-upgrades user to "seller" role**
`bio`	String	❌	• Min 100 characters • Max 1000 characters	Professional description
`profession`	String	❌	• Max 60 characters • Automatically trimmed	Professional title/occupation
`city`	String	❌	• Max 50 characters • Automatically trimmed	Geographic location
`skills`	Array/String	❌	• Max 10 skills • Unique values only • Accepts CSV or array format	Professional competencies
`interests`	Array/String	❌	• Max 10 interests • Unique values only • Accepts CSV or array format	Personal interests/hobbies
`achievements`	Array/String	❌	• Max 15 achievements • Unique values only • Accepts CSV or array format	Professional accomplishments
`avatar`	String/File	❌	• Valid image URL or file upload	Profile picture
`bannerImage`	String/File	❌	• Valid image formats: jpg, jpeg, png, gif, webp • Recommended size: 1920x480px	Store header image
`socialLinks`	Object	❌	See enhanced social links validation below	All platforms optional
`website`	String	❌	• Must start with http:// or https://	Professional website URL
`language`	Array/String	❌	• Max 5 languages • Accepts array or comma-separated string	Languages spoken
`country`	String	❌	• From predefined country list	Geographic location

Field	Type	Required	Validation Rules	Notes
`contactNumber`	String	❌	• Must include country code • Pattern: `+1234567890`	Business contact number

Enhanced Social Links Validation:

Platform	URL Pattern	Example
`instagram`	`/^https?:\/\/(www\.)?instagram\.com\/[\w.-]+\/?$/`	`https://instagram.com/username`
`youtube`	`` `/^https?://(www.)?youtube.com/(channel/ ``	c/
`facebook`	`/^https?:\/\/(www\.)?facebook\.com\/[\w.-]+\/?$/`	`https://facebook.com/pagename`
`twitter`	`/^https?:\/\/(www\.)?twitter\.com\/[\w.-]+\/?$/`	`https://twitter.com/username`
`linkedin`	`` `/^https?://(www.)?linkedin.com/(in ``	company)/[\w-]+/?$/`
`github`	`/^https?:\/\/(www\.)?github\.com\/[\w.-]+\/?$/`	`https://github.com/username`
`personalWebsite`	`/^https?:\/\/[\w.-]+\.[a-z]{2,}(\/.*)?$/i`	`https://personal-site.com`

Success Response (200):

json

```json
{
  "statusCode": 200,
  "data": {
    "_id": "64f8a1b2c3d4e5f6a7b8c9d0",
    "fullName": "Sarah Johnson",
    "email": "sarah@example.com",
    "role": "seller",
    "storeName": "sarah-creative-designs",
    "bio": "I'm a passionate graphic designer...",
    "avatar": "https://example.com/sarah-avatar.jpg",
    "bannerImage": "https://example.com/sarah-banner.jpg",
    "socialLinks": {
      "instagram": "https://instagram.com/sarahcreativedesigns",
      "linkedin": "https://linkedin.com/in/sarahjohnson",
      "personalWebsite": "https://sarahjohnson.com"
    },
    "website": "https://sarahcreativedesigns.com",
    "language": ["English", "Spanish", "Portuguese"],
    "country": "United States",
    "city": "San Francisco",
    "contactNumber": "+1234567890",
    "profession": "Senior Graphic Designer & Brand Strategist",
    "skills": ["Graphic Design", "Logo Design", "Brand Identity", "Adobe Creative Suite", "Web
    "interests": ["Digital Art", "Photography", "Travel", "Sustainability", "Tech Innovation"],
    "achievements": ["Top Seller 2023", "Rising Star Award", "Customer Favorite"],
    "stats": {
      "products": 12,
      "followers": 340,
      "rating": 4.9,
      "reviews": 87,
      "views": 2340,
      "likes": 456
    },
    "joinDate": "2022-01-15T10:30:00Z",
    "formattedJoinDate": "January 2022",
    "location": "San Francisco, United States",
    "isEmailVerified": true,
    "provider": "local",
    "createdAt": "2022-01-15T10:30:00Z",
    "updatedAt": "2024-01-20T14:45:00Z"
  },
  "message": "Profile updated successfully",
```

```
    "success": true
  }
```

---

2. Get My Profile (Enhanced)

GET `/profile/me` 🔒

Description: Retrieve the authenticated user's complete profile with real-time stats calculation.

Success Response (200):

json

```json
{
  "statusCode": 200,
  "data": {
    "_id": "64f8a1b2c3d4e5f6a7b8c9d0",
    "fullName": "Sarah Johnson",
    "email": "sarah@example.com",
    "role": "seller",
    "storeName": "sarah-creative-designs",
    "bio": "I'm a passionate graphic designer...",
    "avatar": "https://example.com/sarah-avatar.jpg",
    "bannerImage": "https://example.com/sarah-banner.jpg",
    "socialLinks": {
      "instagram": "https://instagram.com/sarahcreativedesigns",
      "linkedin": "https://linkedin.com/in/sarahjohnson",
      "github": "https://github.com/sarahjohnson",
      "personalWebsite": "https://sarahjohnson.com"
    },
    "website": "https://sarahcreativedesigns.com",
    "language": ["English", "Spanish", "Portuguese"],
    "country": "United States",
    "city": "San Francisco",
    "contactNumber": "+1234567890",
    "profession": "Senior Graphic Designer & Brand Strategist",
    "skills": ["Graphic Design", "Logo Design", "Brand Identity", "Adobe Creative Suite", "Web
    "interests": ["Digital Art", "Photography", "Travel", "Sustainability", "Tech Innovation",
    "achievements": ["Top Seller 2023", "Rising Star Award", "Customer Favorite", "5-Star Ratir
    "stats": {
      "products": 12,
      "followers": 340,
      "rating": 4.9,
      "reviews": 87,
      "views": 2340,
      "likes": 456
    },
    "joinDate": "2022-01-15T10:30:00Z",
    "formattedJoinDate": "January 2022",
    "location": "San Francisco, United States",
    "isEmailVerified": true,
    "provider": "local"
  },
  "message": "Profile fetched successfully",
```

```
    "success": true
}
```

---

3. Get Seller Storefront (Enhanced Public View)

GET `/store/:storeName`

Description: Retrieve comprehensive public storefront information including enhanced profile data and formatted stats.

URL Parameters:

- `storeName` (string): The unique store name of the seller

Success Response (200):

json

```json
{
  "statusCode": 200,
  "data": {
    "store": {
      "storeName": "sarah-creative-designs",
      "bio": "I'm a passionate graphic designer with over 8 years of experience creating stunni
      "bannerImage": "https://example.com/sarah-banner.jpg",
      "avatar": "https://example.com/sarah-avatar.jpg",
      "sellerName": "Sarah Johnson",
      "email": "sarah@example.com",
      "socialLinks": {
        "instagram": "https://instagram.com/sarahcreativedesigns",
        "linkedin": "https://linkedin.com/in/sarahjohnson",
        "github": "https://github.com/sarahjohnson",
        "personalWebsite": "https://sarahjohnson.com"
      },
      "website": "https://sarahcreativedesigns.com",
      "language": ["English", "Spanish", "Portuguese"],
      "country": "United States",
      "city": "San Francisco",
      "contactNumber": "+1234567890",
      "profession": "Senior Graphic Designer & Brand Strategist",
      "skills": ["Graphic Design", "Logo Design", "Brand Identity", "Adobe Creative Suite", "We
      "interests": ["Digital Art", "Photography", "Travel", "Sustainability", "Tech Innovation"
      "achievements": ["Top Seller 2023", "Rising Star Award", "Customer Favorite", "5-Star Rat
      "stats": {
        "products": 12,
        "followers": "2.6K",
        "rating": 4.9,
        "reviews": 234,
        "views": "12.4K",
        "likes": "3.2K"
      },
      "joinDate": "January 2022",
      "location": "San Francisco, United States"
    },
    "products": [
      {
        "_id": "64f8a1b2c3d4e5f6a7b8c9d1",
        "title": "Premium Logo Design Package",
        "description": "Professional logo design with 3 concepts, unlimited revisions, and brar
        "price": 149.99,
        "thumbnail": "https://example.com/product1-thumb.jpg",
```

```json
        "category": "Graphics & Design",
        "tags": ["logo", "branding", "design"],
        "rating": 4.9,
        "totalReviews": 127,
        "createdAt": "2024-01-10T08:00:00Z"
      }
    ]
  },
  "message": "Storefront loaded",
  "success": true
}
```

---

4. Update Seller Stats

PUT `/profile/stats` 🔒

Description: Update seller performance statistics (followers, rating, reviews, views, likes).

Request Body:

```json
json

{
  "followers": 2650,
  "rating": 4.9,
  "reviews": 234,
  "views": 12400,
  "likes": 3200
}
```

Field Specifications:

Field	Type	Required	Validation
followers	Number	❌	Positive integer
rating	Number	❌	0-5 range, decimal allowed
reviews	Number	❌	Positive integer
views	Number	❌	Positive integer
likes	Number	❌	Positive integer

Success Response (200):

```json
{
  "statusCode": 200,
  "data": {
    "products": 12,
    "followers": 2650,
    "rating": 4.9,
    "reviews": 234,
    "views": 12400,
    "likes": 3200
  },
  "message": "Stats updated successfully",
  "success": true
}
```

---

5. Add Achievement

POST `/profile/achievement` 🔒

Description: Add a new achievement to the seller's profile.

Request Body:

```json
{
  "achievement": "Verified Seller Badge"
}
```

Field Specifications:

Field	Type	Required	Validation
achievement	String	✅	Non-empty string, automatically trimmed

Success Response (200):

```json
{
  "statusCode": 200,
  "data": ["Top Seller 2023", "Rising Star Award", "Customer Favorite", "5-Star Rating Champion
  "message": "Achievement added successfully",
  "success": true
}
```

📋 Enhanced Data Reference

Available Countries

Afghanistan, Albania, Algeria, Argentina, Australia, Austria, Bangladesh, Belgium, Brazil, Canada, Chile, China, Colombia, Denmark, Egypt, Finland, France, Germany, Greece, India, Indonesia, Iran, Iraq, Ireland, Israel, Italy, Japan, Jordan, Kenya, Malaysia, Mexico, Netherlands, New Zealand, Nigeria, Norway, Pakistan, Philippines, Poland, Portugal, Russia, Saudi Arabia, Singapore, South Africa, South Korea, Spain, Sri Lanka, Sweden, Switzerland, Thailand, Turkey, Ukraine, United Arab Emirates, United Kingdom, United States, Vietnam

Popular Skills Examples

"Graphic Design", "Web Development", "Digital Marketing", "Content Writing", "Video Editing", "Photography", "UI/UX Design", "Logo Design", "Brand Identity", "Adobe Creative Suite", "WordPress", "E-commerce", "SEO", "Social Media Marketing", "Copywriting", "Animation", "3D Modeling", "Mobile App Development", "Data Analysis", "Project Management"

Popular Interests Examples

"Technology", "Digital Art", "Photography", "Travel", "Music", "Reading", "Gaming", "Fitness", "Cooking", "Sustainability", "Innovation", "Entrepreneurship", "Design Trends", "Online Learning", "Networking", "Creative Writing", "Film Making", "Podcasting", "Blogging", "Community Building"

Achievement Examples

"Top Seller", "Rising Star", "Customer Favorite", "5-Star Rating", "Best New Seller", "Quality Champion", "Fast Delivery", "Excellent Communication", "Creative Excellence", "Technical Expert", "Verified Seller", "Premium Provider", "Customer Choice", "Innovation Award", "Bestseller"

💡 Advanced Implementation Examples

Profile Form with Enhanced Fields

```javascript
const updateEnhancedProfile = async (formData) => {
  // Process skills and interests arrays
  if (typeof formData.skills === 'string') {
    formData.skills = formData.skills.split(',').map(s => s.trim());
  }

  if (typeof formData.interests === 'string') {
    formData.interests = formData.interests.split(',').map(i => i.trim());
  }

  const response = await fetch('/api/v1/users/profile', {
    method: 'POST',
    headers: {
      'Authorization': `Bearer ${token}`,
      'Content-Type': 'application/json'
    },
    body: JSON.stringify(formData)
  });

  return response.json();
};
```

Stats Update Example

```javascript
const updateStats = async (statsData) => {
  const response = await fetch('/api/v1/users/profile/stats', {
    method: 'PUT',
    headers: {
      'Authorization': `Bearer ${token}`,
      'Content-Type': 'application/json'
    },
    body: JSON.stringify(statsData)
  });

  return response.json();
};

// Usage
await updateStats({
  followers: 2650,
  rating: 4.9,
  views: 12400
});
```

Achievement Management

```javascript
const addAchievement = async (achievement) => {
  const response = await fetch('/api/v1/users/profile/achievement', {
    method: 'POST',
    headers: {
      'Authorization': `Bearer ${token}`,
      'Content-Type': 'application/json'
    },
    body: JSON.stringify({ achievement })
  });

  return response.json();
};

// Usage
await addAchievement("Verified Seller Badge");
```

Enhanced Validation Functions

```javascript
// Skills validation
const validateSkills = (skills) => {
  if (!skills || skills.length === 0) return '';
  if (skills.length > 10) return 'Maximum 10 skills allowed';
  const uniqueSkills = [...new Set(skills)];
  if (uniqueSkills.length !== skills.length) return 'Skills must be unique';
  return '';
};

// Interests validation
const validateInterests = (interests) => {
  if (!interests || interests.length === 0) return '';
  if (interests.length > 10) return 'Maximum 10 interests allowed';
  const uniqueInterests = [...new Set(interests)];
  if (uniqueInterests.length !== interests.length) return 'Interests must be unique';
  return '';
};

// Profession validation
const validateProfession = (profession) => {
  if (!profession) return '';
  if (profession.length > 60) return 'Profession cannot exceed 60 characters';
  return '';
};

// City validation
const validateCity = (city) => {
  if (!city) return '';
  if (city.length > 50) return 'City name cannot exceed 50 characters';
  return '';
};
```

🔄 Auto-Generated Fields

Virtual Fields

- `formattedJoinDate`: Auto-formatted join date (e.g., "January 2022")
- `location`: Combined city and country (e.g., "San Francisco, United States")

Auto-Updated Fields

- `stats.products`: Real-time count of seller's products
- `joinDate`: Set automatically during registration
- `avatar`: Auto-generated if not provided

❌ Enhanced Error Responses

Skills Validation Error (400):

```json
{
  "statusCode": 400,
  "data": null,
  "message": "You can select maximum 10 skills",
  "success": false
}
```

Interests Validation Error (400):

```json
{
  "statusCode": 400,
  "data": null,
  "message": "Interests must be unique",
  "success": false
}
```

Achievement Limit Error (400):

```json
{
  "statusCode": 400,
  "data": null,
  "message": "Maximum 15 achievements allowed",
  "success": false
}
```

🔒 Security & Business Rules

1. **Email Protection**: Remains read-only across all updates

2. **Role Auto-Upgrade**: Providing `storeName` automatically upgrades user to "seller"

3. **Stats Integrity**: Product count is always calculated from actual database records

4. **Unique Constraints**: Store names, skills, interests, and achievements must be unique

5. **Array Limits**: Enforced maximums prevent database bloat and UI issues

6. **Auto-Generated Content**: Join dates and formatted fields are system-managed

7. **Public vs Private**: Storefront shows formatted stats while profile shows raw numbers

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📈 Stats Formatting

Internal Storage (Raw Numbers):

```json
{
  "followers": 2650,
  "views": 12400,
  "likes": 3200
}
```

Public Display (Formatted):

```json
{
  "followers": "2.6K",
  "views": "12.4K",
  "likes": "3.2K"
}
```

Formatting Rules:

- Numbers ≥ 1,000,000: Format as "X.XM" (millions)

- Numbers ≥ 1,000: Format as "X.XK" (thousands)

- Numbers < 1,000: Display as-is

This enhanced API provides comprehensive seller profile management with professional features, detailed validation, and flexible data handling for production use.