

# Requirement Analysis for a Responsive and Professional Personal Portfolio Website

## 1. Objective

To design and develop a professional and responsive personal portfolio website for a developer, showcasing skills, experience, projects, and contact information. The website should serve as a platform for personal branding, attracting potential clients or employers, and networking.

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## 2. Stakeholders

- **Primary Stakeholder:** Developer (Owner of the portfolio).
  - **Secondary Stakeholders:** Employers, recruiters, potential clients, and collaborators.
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## 3. Key Requirements

### 3.1 Functional Requirements

#### 1. Homepage:

- A professional and visually appealing landing page.
- Brief introduction (developer's name, title, tagline, or professional statement).
- Quick navigation to other sections (e.g., projects, skills, contact).

#### 2. About Section:

- Detailed bio with career highlights.
- Display of personal photo or professional avatar.
- Downloadable resume option.

#### 3. Skills Section:

- List of technical and soft skills categorized (e.g., programming languages, frameworks, tools).
- Option to rate skills visually (e.g., progress bars, stars, or icons).

#### 4. Projects Section:

- Showcase of key projects with the following details:
  - Project title.
  - Short description.

- Technology stack used.
- Screenshots, demos, or links to live projects (if available).
- Link to GitHub repository or case studies.

**5. Blog (Optional):**

- Space for the developer to share knowledge, tutorials, or industry insights.
- Blog posts organized by date, category, or tags.

**6. Contact Section:**

- Contact form with fields: Name, Email, Subject, and Message.
- Email address and/or phone number.

**7. Navigation:**

- Sticky or floating navigation bar for seamless movement between sections.

**8. Footer:**

- Copyright information.
- Social media links.
- Quick navigation to key sections.

## **3.2 Non-Functional Requirements**

**1. Responsive Design:**

- Fully functional across devices (desktops, tablets, smartphones).
- Consistent layout and readability on different screen sizes.

**2. Performance:**

- Optimized loading time.
- Use of efficient image formats and caching mechanisms.

**3. Scalability:**

- Ability to add more projects, blogs, or sections in the future without redesigning the entire site.

## **3.3 Aesthetic Requirements**

**1. Visual Design:**

- Modern, minimalistic, and professional appearance.
- Use of developer-friendly themes.

**2. Typography:**

- Readable and professional fonts.
- Clear hierarchy using font sizes and weights.

**3. Color Scheme:**

- Complementary colors aligned with personal branding.

- Avoidance of overly bright or distracting colors.

#### 4. **Imagery:**

- Use of professional-grade images for project showcases.
  - Developer's photo or logo for personal branding.
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