

# Roadmap Page Feature — Feature Specification Document (FSD)

## Overview

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Create a dedicated “Roadmap” page to showcase the evolution of the portfolio site, including past updates, ongoing improvements, and planned features. This page will highlight thoughtful planning, frontend design thinking, and full lifecycle execution.

## Goals

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- Communicate development progress to visitors
- Showcase design and development process
- Practice clear versioning and feature planning
- Demonstrate full lifecycle thinking from design to deployment

## Scope of Work

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- Design a responsive layout with clear structure
- Write concise roadmap content with versioned sections
- Add navigation link to homepage and update routes
- Apply consistent branding and styling
- Implement semantic HTML and accessibility best practices
- Optimize for performance and SEO (titles, meta tags)

## Development Lifecycle

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1. Planning
  - Define purpose and audience
  - Identify feature categories (In Progress, Planned, Completed)
  - Sketch layout and content structure
2. Design
  - Use existing design system or extend styles – Hybrid CSS methodology approach. BEM and utility
  - Ensure mobile-first responsiveness
  - Choose accessible color contrasts and heading structure
3. Development
  - Ensure consistency with the portfolio’s design system
  - Add new HTML/CSS page
  - Integrate with existing navigation
  - Reuse utility classes for layout consistency
  - Apply styles to reflect the Figma design

#### 4. Testing

- Check for broken links and responsive issues
- Validate semantic HTML and accessibility (e.g. screen reader headings)
- **TEST EVERYTHING** – yes, everything 😊
  - i. Test autofill-safe form fields if relevant
  - ii. Test cross browser compatibility
  - iii. Test responsiveness across screen sizes
  - iv. Document all findings — especially bugs

#### 5. Deployment

- Create a staging branch (GitHub + Vercel subdomain)
- Merge changes to staging
- Deploy via Vercel
- Verify SEO metadata renders correctly in previews
- Perform final visual QA
- Merge to main and deploy
- Update portfolio changelog or roadmap metadata

#### 6. Success Criteria

- Matches the portfolio's design system
- Fully responsive across all screen sizes
- Clear version structure and visibility of updates
- Discoverable from homepage navigation
- Clean, accessible, and SEO-friendly markup

### UX/Formatting Considerations

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- Use anchor links to allow users to jump between major releases.
- Consider collapsible sections for each version block (e.g., <details> in HTML or a toggle component in React).
- Apply consistent headings and iconography (e.g., version badges, status tags).

### Time Estimates by Phase

Phase	Tasks	Estimated Time
Planning	Define structure, sketch layout	3-5 Hours
Design	Build layout, finalize UI decisions	4-12 (Learning Figma)
Development	Code page, integrate with nav, apply styles	Development 10-25 hours <b>Note:</b> This page will be used as the skeleton for accessibility MVP, SEO MVP, Mobile first upgrade

Testing	Responsive & accessibility checks	4-8 Hours <b>Note:</b> Document everything and defer non urgent bugs before fixing urgent bugs.
Deployment	Push live and verify	1-2 Hours