

Web-Dev 2.0 LinkedIn Calendar (120 Days Challenge)

120-Day Full-Stack Web Development Challenge + LinkedIn Posting Calendar

Instructions for Use

- Each day, follow the “Task Focus” to guide your learning and coding.
 - After completing the day’s task, write a **LinkedIn post** using the suggested topic and structure under “LinkedIn Post Idea.”
 - Feel free to adjust or expand any day’s plan based on your pacing or specific interests.
 - Keep track of your mini-projects, GitHub repos, and deployments to showcase them in your portfolio.
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Month 1: HTML, CSS, Git, and Core JavaScript (Days 1–30)

Week 1: HTML Essentials + Introduction to Git/GitHub

Day 1

Task Focus

- Understand basic HTML structure (<!DOCTYPE html>, <html>, <head>, <body>).
- Learn semantic tags (<header>, <section>, <footer>, etc.).
- Start your GitHub repository for this challenge.

LinkedIn Post Idea

- **Title:** “Day 1 of #100DaysOfCode (Plus 20 Bonus!) — Kicking Off My Full-Stack Journey”
 - **Content:**
 - Introduce your 120-day challenge and why you’re committing to it.
 - Mention that you learned about HTML’s skeleton and semantic tags today.
 - Add a code snippet of a basic HTML page.
 - End with a question: “Any advice for staying motivated during a long coding challenge?”
-

Day 2

Task Focus

- Dive deeper into HTML forms (<form>, <input>, <select>, <textarea>).
- Embed images, audio, or video.
- Practice pushing changes to your GitHub repo.

LinkedIn Post Idea

- **Title:** “Day 2: Exploring HTML Forms and Media”
 - **Content:**
 - Show a screenshot or gist of a simple contact form you created.
 - Discuss one challenge you faced (e.g., aligning form labels) and how you solved it.
 - Mention your GitHub repo link for anyone who wants to follow along.
-

Day 3

Task Focus

- Install Git (if not already).
- Learn basic Git commands: git init, git add, git commit, git push.
- Create/push a test repository on GitHub.

LinkedIn Post Idea

- **Title:** “Day 3: Version Control Adventures with Git & GitHub”
 - **Content:**
 - Explain why version control is essential for developers.
 - Include a short code snippet or screenshot showing your commit history.
 - Ask your network how they handle branching strategies.
-

Day 4

Task Focus

- Master Git branching (git checkout -b, git merge).
- Learn how to resolve merge conflicts.
- Experiment with a feature branch workflow.

LinkedIn Post Idea

- **Title:** “Day 4: Branching Out in Git”
 - **Content:**
 - Demonstrate a merge conflict you intentionally created and solved.
 - Share a helpful resource on Git branching (e.g., Atlassian tutorials).
 - Encourage others to comment with their top Git tips.
-

Day 5

Task Focus

- Deeper look into **semantic HTML**: <figure>, <figcaption>, <aside>.
- Add basic SEO meta tags (<meta name="description" ...>).
- Continue refining your HTML pages.

LinkedIn Post Idea

- **Title:** “Day 5: Going Semantic with HTML”
 - **Content:**
 - Show how semantic tags improve accessibility and SEO.
 - Include a small before-and-after snippet comparing <div> soup vs. semantic tags.
 - Encourage readers to check their own code for improved semantics.
-

Day 6

Task Focus

- **Mini Project #1:** Build a multi-page static site (Home, About, Contact).
- Use Git for version control; finalize or host on GitHub Pages.

LinkedIn Post Idea

- **Title:** “Day 6: My First Multi-Page Website!”
 - **Content:**
 - Provide a live demo link (GitHub Pages or Netlify).
 - Mention one design or structure choice you’re proud of.
 - Ask for feedback on UI or layout improvements.
-

Day 7

Task Focus

- **Review & Reinforcement:** Revisit everything from Days 1–6.
- Fix any code issues, reorganize repositories, or catch up if behind.

LinkedIn Post Idea

- **Title:** “Day 7: Week 1 Recap — HTML & Git Mastery”
 - **Content:**
 - Reflect on how you tackled HTML and Git basics.
 - Share a quick summary of your biggest lesson learned.
 - Thank anyone who provided advice or feedback.
-

Week 2: CSS – Styling the Web

Day 8

Task Focus

- CSS Basics: Linking external stylesheets, selectors, specificity.
- Box Model: margin, border, padding.

LinkedIn Post Idea

- **Title:** “Day 8: Stepping into CSS”
 - **Content:**
 - Show a quick snippet demonstrating the box model.
 - Explain how you resolved any layout confusion.
 - Ask for best practices in naming CSS classes.
-

Day 9

Task Focus

- **CSS Positioning** (static, relative, absolute, fixed, sticky).
- display types (block, inline, inline-block, flex, grid).

LinkedIn Post Idea

- **Title:** “Day 9: Wrangling CSS Position & Display”
 - **Content:**
 - Before/after screenshots of a div that changes position from static to absolute.
 - Mention how understanding positioning helps create neat UIs.
-

Day 10

Task Focus

- **Flexbox:** display: flex;, justify-content, align-items, flex-direction.
- Build a small responsive navbar or card layout with Flexbox.

LinkedIn Post Idea

- **Title:** “Day 10: Flexbox Deep Dive + Mini Layout Demo”
- **Content:**
 - Show a short video/gif or screenshot of the responsive navbar you built.
 - Talk about one “gotcha” moment with Flexbox and how you overcame it.

- Invite others to share their favorite Flexbox resources.
-

Day 11

Task Focus

- **CSS Grid:** Basic properties (grid-template-columns, grid-template-rows, gap).
- Compare Grid vs. Flexbox usage scenarios.

LinkedIn Post Idea

- **Title:** “Day 11: Grid vs. Flexbox Showdown”
 - **Content:**
 - Post a side-by-side comparison of a layout in Flexbox vs. Grid.
 - Explain which approach you find more intuitive.
 - Ask your network which they prefer and why.
-

Day 12

Task Focus

- **Responsive Design & Media Queries** (@media rules).
- Use relative units (% , em, rem, vw, vh).

LinkedIn Post Idea

- **Title:** “Day 12: Making Websites Responsive”
 - **Content:**
 - Show a quick phone vs. desktop screenshot of your layout.
 - Mention any device testing strategy you used (e.g., Chrome DevTools).
-

Day 13

Task Focus

- **CSS Best Practices:** BEM methodology for class naming.
- Basic Animations with transition, transform, @keyframes.

LinkedIn Post Idea

- **Title:** “Day 13: Cleaner CSS + Subtle Animations”
- **Content:**
 - Show a short clip or code snippet of a hover animation.
 - Discuss how BEM naming improved your code readability.

Day 14

Task Focus

- **Mini Project #2:** A responsive portfolio page.
- One-page design with sections for “Home,” “About,” “Projects,” “Contact.”
- Deploy on Netlify or GitHub Pages.

LinkedIn Post Idea

- **Title:** “Day 14: Launching My Responsive Portfolio”
 - **Content:**
 - Provide the live link; highlight your sections.
 - Ask for design or UX feedback.
 - Encourage viewers to star your GitHub repo if they find it helpful.
-

Week 3: JavaScript Fundamentals

Day 15

Task Focus

- **JavaScript Basics:** Variables (let, const, var), data types, arithmetic operators.
- Simple console logging to see outputs.

LinkedIn Post Idea

- **Title:** “Day 15: JavaScript Under the Hood”
 - **Content:**
 - Include a small snippet demonstrating variable declarations with let and const.
 - Share an interesting fact about JS data types.
-

Day 16

Task Focus

- **Control Flow:** conditionals (if/else, switch), loops (for, while, do...while).
- Write a small script to handle user input in the console.

LinkedIn Post Idea

- **Title:** “Day 16: Making Decisions with JS”
 - **Content:**
 - Show a quick code snippet for a loop-based challenge you solved.
 - Mention a real-world scenario where control flow is handy (e.g., form validations).
-

Day 17

Task Focus

- **Functions & Scope:** function declarations, expressions, arrow functions, global vs. local scope.
- Create a utility library with a few simple helper functions.

LinkedIn Post Idea

- **Title:** “Day 17: Functional Fun in JavaScript”
 - **Content:**
 - Post a snippet of your favorite helper function (e.g., random number generator).
 - Explain the difference between function declarations vs. arrow functions.
-

Day 18

Task Focus

- **Arrays & Objects:** push, pop, map, filter, reduce.
- Create an address book array of objects; let users add/search.

LinkedIn Post Idea

- **Title:** “Day 18: Mastering Arrays & Objects in JS”
 - **Content:**
 - Share a short snippet of using `.reduce()` or `.filter()` creatively.
 - Talk about how data structures shape real-world applications (e.g., contact lists).
-

Day 19

Task Focus

- **DOM Manipulation:** selecting elements, modifying styles/content, adding event listeners.
- Build a small to-do list or counter app.

LinkedIn Post Idea

- **Title:** “Day 19: Bringing Webpages to Life with the DOM”
 - **Content:**
 - Include a screenshot of your interactive to-do list.
 - Explain a tricky DOM event handling scenario you solved.
-

Day 20

Task Focus

- **JSON and Local Storage:** `JSON.stringify()`, `JSON.parse()`.
- Persist your to-do list or a small user setting in `localStorage`.

LinkedIn Post Idea

- **Title:** “Day 20: Saving Data in the Browser”
 - **Content:**
 - Show how you used `localStorage` to persist data.
 - Reflect on the importance of storing user preferences for better UX.
-

Day 21

Task Focus

- **Mini Project #3:** Interactive Web App (e.g., Quiz App or Recipe Manager).
- Use DOM manipulation and localStorage; share the final code on GitHub.

LinkedIn Post Idea

- **Title:** “Day 21: Launching My Interactive Web App”
 - **Content:**
 - Provide a demo link or a GitHub repo.
 - Mention your biggest JavaScript “aha” moment this week.
 - Ask for feedback on your code quality.
-

Week 4: Advanced JS Concepts & Consolidation

Day 22

Task Focus

- **ES6+ Features:** Destructuring, spread operator, rest parameters, template literals.
- Refactor old code using these modern features.

LinkedIn Post Idea

- **Title:** “Day 22: Leveling Up with ES6”
 - **Content:**
 - Show a snippet that uses destructuring or the spread operator.
 - Note how it makes your code cleaner vs. older JS syntax.
-

Day 23

Task Focus

- **Asynchronous JavaScript:** callbacks, Promises, async/await.
- Fetch data from a public API (fetch() or axios).

LinkedIn Post Idea

- **Title:** “Day 23: Going Async — Fetching My First API”
 - **Content:**
 - Display the result of your API call (e.g., jokes, weather data).
 - Explain one concept about asynchronous flow that initially confused you.
-

Day 24

Task Focus

- **Error Handling & Debugging:** try...catch, using DevTools breakpoints.
- Practice debugging a broken script step by step.

LinkedIn Post Idea

- **Title:** “Day 24: Battling Bugs & Errors”
 - **Content:**
 - Show a snippet of a try...catch block that handled an API error.
 - Mention a tip for new developers to speed up their debugging.
-

Days 25–26

Task Focus

- **Mini Project #4:** API-Driven Web App (Movie Search, Weather App, etc.)
- Integrate loading states, error states, and deploy the final project.

LinkedIn Post Idea (Day 25)

- **Title:** “Day 25: Building My API-Powered Web App — Part 1”
- **Content:**
 - Share your approach for structuring API calls and state management.
 - Ask your audience for suggestions on UI/UX improvements.

LinkedIn Post Idea (Day 26)

- **Title:** “Day 26: Wrapping Up My API App + Deployment”
 - **Content:**
 - Include a link to the live app.
 - Discuss a real-world scenario where such an app can be useful.
 - Invite feedback and potential collaborators.
-

Day 27

Task Focus

- **Git/GitHub Deep Dive:** Pull requests, code reviews, issues, releases.
- Create a feature branch and open a PR for your existing project.

LinkedIn Post Idea

- **Title:** “Day 27: Collaborating Like a Pro on GitHub”
 - **Content:**
 - Demonstrate your PR process with screenshots.
 - Discuss how code reviews improve code quality.
-

Day 28

Task Focus

- **Refactoring & Code Organization:** ES Modules or CommonJS, better file structure.
- Split large scripts into multiple modules.

LinkedIn Post Idea

- **Title:** “Day 28: Cleaner Code, Happy Developer”

- **Content:**
 - Show your new folder/file structure.
 - Share how modularization makes your life easier.
-

Days 29–30

Task Focus

- **Final Review of Front-End Foundations:** HTML, CSS, JS recap.
- Polish your portfolio projects; push final changes to GitHub.

LinkedIn Post Idea (Day 29)

- **Title:** “Day 29: Revisiting the Fundamentals”
- **Content:**
 - Quick bullet list of your biggest takeaways in HTML/CSS/JS.
 - Reflect on your improvement from Day 1 to Day 29.

LinkedIn Post Idea (Day 30)

- **Title:** “Day 30: Front-End Milestone Complete!”
 - **Content:**
 - Showcase your portfolio so far.
 - Invite connections to view your GitHub and share feedback.
-

Month 2: React.js & Advanced Front-End (Days 31–60)

Week 5: React Basics

Day 31

Task Focus

- **Introduction to React:** Set up via Create React App or Vite.
- Understand JSX, component structure, and project folder setup.

LinkedIn Post Idea

- **Title:** “Day 31: Hello React World”
 - **Content:**
 - Screenshot of your “Hello World” in a React component.
 - Brief explanation of why React is so popular.
-

Day 32

Task Focus

- **Components & Props:** build functional components, pass data as props.
- Create a small “Profile Card” component.

LinkedIn Post Idea

- **Title:** “Day 32: Mastering Props in React”
 - **Content:**
 - Show your Profile Card in action.
 - Describe how props make components reusable.
-

Day 33

Task Focus

- **State & Lifecycle (Hooks):** useState, useEffect.
- Add interactivity (e.g., a “Follow” button toggling follow state).

LinkedIn Post Idea

- **Title:** “Day 33: Diving into React Hooks”
- **Content:**
 - GIF or screenshot of your interactive “Follow” button.
 - Mention the difference between useState vs. older class-based states.

Day 34

Task Focus

- **Event Handling** in React (onClick, onChange, onSubmit).
- Create a simple form to update state on user input.

LinkedIn Post Idea

- **Title:** “Day 34: Events + Forms in React”
 - **Content:**
 - Show your form and how it updates the component’s state in real-time.
 - Reflect on how it differs from vanilla JS event handling.
-

Day 35

Task Focus

- **Conditional Rendering & Lists:** .map(), handling keys.
- Display a list of items; conditionally render messages if list is empty.

LinkedIn Post Idea

- **Title:** “Day 35: Rendering Dynamically in React”
 - **Content:**
 - Example snippet of a list rendered via .map().
 - Share a challenge (e.g., forgetting the key prop) and how you fixed it.
-

Day 36

Task Focus

- **React Router Basics:** set up multiple routes with <BrowserRouter>, <Routes>, <Route>.
- Convert a multi-page layout into a single-page app.

LinkedIn Post Idea

- **Title:** “Day 36: Adding Navigation with React Router”
 - **Content:**
 - A short video/gif showing transitions between routes.
 - Summarize why SPAs are great for user experience.
-

Day 37

Task Focus

- **Mini Project #5:** Simple React App (e.g., Product Catalog, Task Manager) with at least two routes.
- Deploy on Netlify or Vercel.

LinkedIn Post Idea

- **Title:** “Day 37: My First React App Deployed!”
 - **Content:**
 - Demo link + GitHub repo.
 - Show how props, state, and routing come together.
-

Week 6: Deeper into React

Day 38

Task Focus

- **Advanced Hooks:** useEffect for side effects, useContext for global state, useReducer for complex logic.
- Convert or refactor a smaller component to use useContext for shared data.

LinkedIn Post Idea

- **Title:** “Day 38: Going Beyond useState — Advanced React Hooks”
 - **Content:**
 - Brief code snippet of useContext in action.
 - Show how it simplifies passing data across components.
-

Day 39

Task Focus

- **Forms & Form Libraries** (Formik or React Hook Form).
- Build a “Sign Up” form with validation and error handling.

LinkedIn Post Idea

- **Title:** “Day 39: Making Forms Easier with Formik (or React Hook Form)”
 - **Content:**
 - Screenshot of your sign-up form with validation error messages.
 - Talk about how a library streamlined form handling.
-

Day 40

Task Focus

- **Styling in React:** CSS Modules, Styled Components, or Tailwind CSS.
- Apply consistent styling across your mini projects.

LinkedIn Post Idea

- **Title:** “Day 40: Styling My React App — Which Approach Reigns Supreme?”
 - **Content:**
 - Compare two approaches you tried (e.g., CSS Modules vs. Tailwind).
 - Ask your network which styling library they prefer.
-

Day 41

Task Focus

- **State Management:** Redux or advanced Context/Reducer pattern.
- Implement global store for something (e.g., cart items in an e-commerce mock app).

LinkedIn Post Idea

- **Title:** “Day 41: Taming State with Redux (or Context + Reducer)”
 - **Content:**
 - Short snippet of your reducer or Redux store.
 - Explain how it streamlined state across multiple components.
-

Days 42–43

Task Focus

- **Mini Project #6:** React CRUD App (e.g., Contact Manager, Blog Posts).
- Use React Router, advanced hooks, form validations, state management.

LinkedIn Post Idea (Day 42)

- **Title:** “Day 42: Building a CRUD App in React — Part 1”
- **Content:**
 - Show your initial setup with routing and data structure.
 - Mention one key challenge in setting up the project.

LinkedIn Post Idea (Day 43)

- **Title:** “Day 43: CRUD App Complete + Deploy”
 - **Content:**
 - Share the final app link, highlight the CRUD operations.
 - Mention a snippet focusing on how you handle Create vs. Update logic.
-

Day 44 on next page

Day 44

Task Focus

- **Review & React Best Practices:** optimization with memoization or pure components, folder structure.
- Prepare to transition to Node.js.

LinkedIn Post Idea

- **Title:** “Day 44: Polishing My React Skillset”
 - **Content:**
 - List your biggest takeaways from building React apps.
 - Reflect on how you improved performance (memoization, code splitting).
-

Month 3: Node.js, Express, MongoDB (Days 45–90)

Week 7: Node.js Fundamentals

Day 45

Task Focus

- **Node.js Intro:** architecture, V8 engine, installing Node, npm vs. yarn.
- Run a simple .js file in Node.

LinkedIn Post Idea

- **Title:** “Day 45: Stepping into the Back-End with Node.js”
 - **Content:**
 - Show your basic Node script output in the terminal.
 - Mention a concept about how Node processes JavaScript differently from browsers.
-

Day 46

Task Focus

- **Node Modules & NPM:** importing/exporting modules, built-in modules (fs, path).
- Create a small utility module and import it.

LinkedIn Post Idea

- **Title:** “Day 46: Modularizing Node.js Code”
 - **Content:**
 - Code snippet of a custom module you wrote.
 - Discuss how reusability helps in larger projects.
-

Day 47

Task Focus

- **Express.js Basics:** set up an Express server, handle basic routes (GET, POST).
- Use simple middleware functions.

LinkedIn Post Idea

- **Title:** “Day 47: Hello Express — My First Server”
- **Content:**
 - Show how you defined your routes.
 - Mention a scenario where Express’s simplicity shines.

Day 48

Task Focus

- **Templating Engines & Static Files:** EJS, Handlebars, or Pug.
- Serve static files (CSS, images) via Express.

LinkedIn Post Idea

- **Title:** “Day 48: Server-Side Rendering Basics”
- **Content:**
 - Show a screenshot of a page rendered by EJS or Handlebars.
 - Discuss how this differs from a React-based front-end.

Days 49–50

Task Focus

- **Express Router & MVC:** separate routes, controllers, and possibly views.
- Refactor your simple Express app into an MVC-ish structure.

LinkedIn Post Idea (Day 49)

- **Title:** “Day 49: Structuring My Express App — MVC Style”
- **Content:**
 - Show folder layout and how it clarifies responsibilities.
 - Encourage readers to share their folder structures for back-end apps.

LinkedIn Post Idea (Day 50)

- **Title:** “Day 50: Reflecting on Express App Architecture”
- **Content:**
 - Talk about the importance of scalable architecture.
 - Share a resource or tutorial link that helped you.

Day 51

Task Focus

- **Mini Project #7:** RESTful API (e.g., “Books” or “Movies”).
- Test endpoints with Postman or a similar tool. Deploy on Railway or Heroku if possible.

LinkedIn Post Idea

- **Title:** “Day 51: Building & Deploying My First REST API”

- **Content:**

- Share a snippet or screenshot of a successful Postman request.
 - Provide the live endpoint if deployed.
-

Week 8: MongoDB & Mongoose

Day 61

Task Focus

- **MongoDB Introduction:** NoSQL concepts, installing MongoDB or using MongoDB Atlas.
- Insert test documents into a database.

LinkedIn Post Idea

- **Title:** “Day 61: Exploring the NoSQL World with MongoDB”
 - **Content:**
 - Summarize the difference between SQL vs. NoSQL.
 - Show a screenshot of your first inserted document in MongoDB.
-

Day 62

Task Focus

- **Mongoose ODM:** Connect to MongoDB, define schemas and models.
- Create a “User” model with basic CRUD operations.

LinkedIn Post Idea

- **Title:** “Day 62: Schemas, Models & Magic with Mongoose”
 - **Content:**
 - Show your user schema snippet.
 - Mention how it simplifies database interactions.
-

Day 63

Task Focus

- **Advanced Queries:** filtering, projections, pagination, sorting.
- Implement pagination in an Express route for your data.

LinkedIn Post Idea

- **Title:** “Day 63: Taking Control of Data — Mongoose Queries”
 - **Content:**
 - Show code that handles pagination.
 - Reflect on how pagination improves performance for larger datasets.
-

Day 64

Task Focus

- **Data Validation & Error Handling:** Mongoose schema validation, Express error handling.
- Enforce data integrity in your models.

LinkedIn Post Idea

- **Title:** “Day 64: Locking Down Data Quality with Validation”
 - **Content:**
 - Give an example of a custom validation you wrote.
 - Mention how you handle errors gracefully in your app’s routes.
-

Day 65

Task Focus

- **Authentication (JWT Basics):** generating and verifying tokens, securing routes.
- Implement a signup/login route returning JWT.

LinkedIn Post Idea

- **Title:** “Day 65: Securing My API with JWTs”
 - **Content:**
 - Diagram explaining how token-based auth works.
 - Share a snippet of your route that generates tokens.
-

Days 66–67

Task Focus

- **Mini Project #8:** Secure REST API with MongoDB.
- Users can only read/write their own data; implement error handling and validation.

LinkedIn Post Idea (Day 66)

- **Title:** “Day 66: Building an Auth-Enabled REST API — Part 1”
- **Content:**
 - Show the basic routes you’ve set up.
 - Mention how you structure authentication middleware.

LinkedIn Post Idea (Day 67)

- **Title:** “Day 67: My Auth-Enabled CRUD App Is Live!”
- **Content:**

- Deploy link plus endpoints documentation.
 - Ask for testers or feedback on API design.
-

Week 9: Integrating Front-End & Back-End

Day 68

Task Focus

- **Connecting React to Express:** making API calls from the React front-end (fetch, axios).
- Handle CORS configurations.

LinkedIn Post Idea

- **Title:** “Day 68: Bridging Front-End and Back-End”
 - **Content:**
 - Screenshot showing data fetched from your API in a React component.
 - Mention the CORS problem you faced and how you solved it.
-

Day 69

Task Focus

- **Client-Side Authentication:** storing JWT in localStorage/cookies, protecting routes in React.
- Possibly use React context or Redux for auth state.

LinkedIn Post Idea

- **Title:** “Day 69: Implementing JWT Auth on the Front-End”
 - **Content:**
 - Show how you secure private routes in React.
 - Ask if others prefer cookies vs. localStorage for tokens.
-

Day 70

Task Focus

- **Handling File Uploads** with Multer (Express), file input in React forms.
- Provide upload functionality in your app (e.g., profile pictures).

LinkedIn Post Idea

- **Title:** “Day 70: File Uploads Made Easy — Node + React”
 - **Content:**
 - Show a quick clip of a file getting uploaded and displayed.
 - Mention how you secure uploaded files or store them (cloud storage?).
-

Days 71–72

Task Focus

- **Mini Project #9:** Full-Stack Application (e.g., Task Manager, Dashboard) with user auth and CRUD.
- Deploy front-end (Netlify/Vercel) and back-end (Railway/Heroku).

LinkedIn Post Idea (Day 71)

- **Title:** “Day 71: Full-Stack Project Kickoff”
- **Content:**
 - Outline your project’s goals and features.
 - Show your initial front-end and back-end repos.

LinkedIn Post Idea (Day 72)

- **Title:** “Day 72: Full-Stack App Deployed!”
 - **Content:**
 - Provide the live links for both front-end and back-end.
 - Encourage your network to test the app and report any bugs.
-

Day 73

Task Focus

- **GitHub Project Management:** issues, project boards, labeling tasks.
- Create a Kanban board for your mini-project tasks.

LinkedIn Post Idea

- **Title:** “Day 73: Streamlining Development with GitHub Projects”
 - **Content:**
 - Screenshot of your Kanban board.
 - Explain how it helps you stay organized.
-

Day 74

Task Focus

- **Code Review & Optimization:** environment variables, reduce bundle size.
- Implement lazy loading or caching for your front-end or back-end as appropriate.

LinkedIn Post Idea

- **Title:** “Day 74: Code Cleanup & Performance Tuning”
 - **Content:**
 - Show a performance improvement metric (e.g., smaller bundle size).
 - Invite your network to share optimization tips.
-

Week 10: Advanced Back-End & Third-Party Integrations

Day 75

Task Focus

- **Advanced Express Concepts:** rate limiting (express-rate-limit), security best practices (Helmet, sanitizing inputs).
- Strengthen your existing Express app.

LinkedIn Post Idea

- **Title:** “Day 75: Securing My Express App”
 - **Content:**
 - Summarize how you implemented rate limiting.
 - Mention why security is non-negotiable in production apps.
-

Day 76

Task Focus

- **Third-Party APIs:** OAuth flows or payments (Stripe/PayPal).
- Implement a route that interacts with a popular third-party service.

LinkedIn Post Idea

- **Title:** “Day 76: Integrating Stripe (or Another API) into My App”
 - **Content:**
 - Show a snippet of successful API response or a mock payment.
 - Reflect on the importance of integrating external services.
-

Day 77

Task Focus

- **Logging & Monitoring:** use Morgan for request logging, error logging, or Sentry for error tracking.
- Add logs to your app to track usage.

LinkedIn Post Idea

- **Title:** “Day 77: Keeping Tabs on My App with Logging Tools”
 - **Content:**
 - Describe how you set up Morgan to log requests.
 - Share why real-time monitoring helps in production.
-

Days 78–79

Task Focus

- **Mini Project #10:** Extend a previous full-stack app with a third-party API (e.g., payment, social login).
- Ensure proper security and error handling.

LinkedIn Post Idea (Day 78)

- **Title:** “Day 78: Adding New Features with Third-Party Integrations”
- **Content:**
 - Outline the feature you’re integrating (e.g., Google Maps).
 - Mention potential challenges like API rate limits.

LinkedIn Post Idea (Day 79)

- **Title:** “Day 79: Third-Party Integration Complete!”
 - **Content:**
 - Showcase a demo with the new feature in action.
 - Talk about how you handled potential security concerns.
-

Day 80

Task Focus

- **Testing Basics:** unit testing with Jest or Mocha/Chai, integration tests for routes.
- Write tests for at least one model and route in your API.

LinkedIn Post Idea

- **Title:** “Day 80: Testing the Waters with Jest”
 - **Content:**
 - Show a test file that checks a simple route or function.
 - Encourage others to adopt TDD or at least some testing in their workflow.
-

Day 81

Task Focus

- **Review & Prep for Advanced Topics:** re-check full-stack mini-projects, note improvements.
- Plan how to finalize them for your portfolio.

LinkedIn Post Idea

- **Title:** “Day 81: Taking Stock Before the Final Stretch”
 - **Content:**
 - Summarize the major back-end concepts you’ve covered.
 - Tease your final Capstone Project idea.
-

Month 4: Final Polish, Advanced Topics & Capstone (Days 82–120)

Week 11: Advanced Deployment & Production Readiness

Day 82

Task Focus

- **Deployment Options:** comparing AWS, DigitalOcean, Render, Vercel.
- (Optional) Briefly explore Docker for containerization.

LinkedIn Post Idea

- **Title:** “Day 82: Exploring My Deployment Toolbox”
 - **Content:**
 - Talk about pros/cons of each hosting platform.
 - Ask your network about their favorite hosting service.
-

Day 83

Task Focus

- **CI/CD Pipelines:** GitHub Actions or GitLab CI, automating tests and deployments.
- Set up a simple pipeline for one project.

LinkedIn Post Idea

- **Title:** “Day 83: Automating Deployments with CI/CD”
 - **Content:**
 - Show your .yaml config for GitHub Actions or a pipeline screenshot.
 - Explain how CI/CD fosters continuous improvement.
-

Days 84–85

Task Focus

- **Performance Optimization:** caching strategies, code splitting in React, analyzing memory usage in Node.
- Implement lazy-loading for a large component or caching an API route.

LinkedIn Post Idea (Day 84)

- **Title:** “Day 84: Performance Gains — Code Splitting in React”
- **Content:**
 - Show how you used React’s lazy/suspense to load components on demand.
 - Compare before/after performance metrics.

LinkedIn Post Idea (Day 85)

- **Title:** “Day 85: Caching My Node API for Speed”
 - **Content:**
 - Snippet of your caching mechanism (e.g., Redis or in-memory).
 - Mention how it improved API response times.
-

Days 86–87

Task Focus

- **Final Mini Project #11:** Make one of your previous mini-projects fully production-ready.
- Add test coverage, CI/CD, environment variables, security, monitoring.

LinkedIn Post Idea (Day 86)

- **Title:** “Day 86: Upgrading a Mini-Project for Production — Part 1”
- **Content:**
 - Outline the steps you’re taking (tests, env vars, etc.).
 - Ask your network to share essential steps for production readiness.

LinkedIn Post Idea (Day 87)

- **Title:** “Day 87: Production-Ready Project Launch!”
 - **Content:**
 - Final link to your project + highlights of security/performance improvements.
 - Encourage peers to check out the code or open a PR.
-

Day 88

Task Focus

- **Portfolio & Resume Review:** update your portfolio site, pinned GitHub repos, LinkedIn summary.
- Ensure everything is well-documented and displayed.

LinkedIn Post Idea

- **Title:** “Day 88: Polishing My Portfolio & Resume”
 - **Content:**
 - Show a screenshot of your updated portfolio home page.
 - Ask for feedback on any design or content aspects.
-

Weeks 12–13 (Days 89–102): Final Capstone — Planning & Kickoff

Day 89

Task Focus

- **Capstone Project Planning:** choose an idea (e-commerce, social media, job board, etc.).
- Draft user stories, features, and a GitHub project board.

LinkedIn Post Idea

- **Title:** “Day 89: The Grand Finale — Capstone Project Plan”
 - **Content:**
 - Describe your project concept and target users.
 - Invite suggestions from your network on features.
-

Days 90–91

Task Focus

- **Designing the Architecture:** plan DB schema (MongoDB), outline API endpoints, React front-end.
- Finalize project scope based on timeline.

LinkedIn Post Idea (Day 90)

- **Title:** “Day 90: Scheming My Capstone’s Database & APIs”
- **Content:**
 - Show an ERD or schema diagram.
 - Mention your approach to route design.

LinkedIn Post Idea (Day 91)

- **Title:** “Day 91: Front-End Architecture for My Capstone”
 - **Content:**
 - Show a quick wireframe or mockup of the front-end.
 - Talk about your approach to state management.
-

Days 92–94

Task Focus

- **Setting Up the Back-End:** Node/Express server, user authentication with JWT, basic models.
- Validate data for your main domain models.

LinkedIn Post Idea (Pick any day in this range)

- **Title:** “Capstone Progress: Building the Server Foundations”
 - **Content:**
 - Show your initial code structure for controllers, routes, models.
 - Reflect on an authentication challenge you solved.
-

Days 95–97

Task Focus

- **Front-End Scaffolding:** React app with routes for login, signup, main dashboard.
- Integrate with back-end auth, set up global state (Redux/Context).

LinkedIn Post Idea (Pick any day in this range)

- **Title:** “Capstone Progress: Front-End Integration”
 - **Content:**
 - GIF or screenshot of logging in from the React app.
 - Talk about how you manage auth states across components.
-

Days 98–100

Task Focus

- **Core Features Implementation:** main CRUD features (e.g., posts, products, tasks).
- Add file uploads if relevant, ensure robust error handling.

LinkedIn Post Idea (Pick any day in this range)

- **Title:** “Capstone Progress: Core Features Taking Shape”
 - **Content:**
 - Summarize a major feature you just completed.
 - Show a snippet or short video demo.
-

Days 101–102

Task Focus

- **Basic Testing & Refinement:** write unit/integration tests, do manual QA.
- Prepare for final deployment soon.

LinkedIn Post Idea (Pick any day in this range)

- **Title:** “Capstone Progress: Testing & Polishing”
 - **Content:**
 - Screenshot of test results or coverage.
 - Mention any performance or UI tweaks.
-

Final 18 Days (Days 103–120): Capstone Completion & Polish

Days 103–105

Task Focus

- **Advanced/Optional Features:** Payment integration (Stripe), real-time with Socket.io, email notifications (Nodemailer), or any other feature that adds value.

LinkedIn Post Idea (Pick one day to post)

- **Title:** “Capstone Update: Adding Extra Spark with [Feature Name]”
 - **Content:**
 - Demo the new feature (e.g., Stripe payments, real-time chat).
 - Talk about the complexities you faced and overcame.
-

Days 106–110

Task Focus

- **UI/UX Polish & Performance:** refine layouts, add loading states/skeletons, image optimizations.
- Make sure it looks good across all devices.

LinkedIn Post Idea (Pick one day to post)

- **Title:** “Capstone Update: Improving the Look & Feel”
 - **Content:**
 - Before/after screenshots of the UI.
 - Show any performance metrics or Lighthouse scores.
-

Days 111–112

Task Focus

- **Security & Deployment:** finalize JWT security, hashing passwords with bcrypt, deploy front-end + back-end.
- Use environment variables for production.

LinkedIn Post Idea

- **Title:** “Capstone Update: Securing and Deploying the Final Build”
 - **Content:**
 - Link to your production environment.
 - Briefly mention how you protect sensitive data with .env.
-

Days 113–115

Task Focus

- **Thorough Testing & Final Bug Fixes:** get feedback from peers, fix any major issues.
- Confirm performance is acceptable in production.

LinkedIn Post Idea

- **Title:** “Capstone Update: Bug Hunting & Final Touches”
 - **Content:**
 - Mention key bugs you squashed and how.
 - Ask your network to test your app and share feedback.
-

Days 116–117

Task Focus

- **Documentation & README:** clear setup instructions, usage guide.
- Document API endpoints in a simple markdown or with Swagger.

LinkedIn Post Idea

- **Title:** “Capstone Update: Documenting for Future Devs (and Myself)”
 - **Content:**
 - Screenshots of your README or Swagger docs.
 - Emphasize why good documentation matters to teams and recruiters.
-

Days 118–119

Task Focus

- **Final Presentation & Portfolio Update:** create a short demo video, updated LinkedIn highlights.
- Add the project to your portfolio site, pin the repo on GitHub.

LinkedIn Post Idea (Day 118)

- **Title:** “Day 118: Capstone Demo & Portfolio Revamp”
- **Content:**
 - Link to your portfolio with a short teaser video.
 - Encourage viewers to share it with anyone looking for a full-stack dev.

LinkedIn Post Idea (Day 119)

- **Title:** “Day 119: Ready to Launch — Final Capstone Teaser”
- **Content:**

- Summarize the journey from day 1 to now.
 - Thank mentors, friends, or the community that supported you.
-

Day 120

Task Focus

- **Completion & Reflection:** reflect on your entire 120-day journey.
- Identify areas for continued growth. Celebrate!

LinkedIn Post Idea

- **Title:** “Day 120: Challenge Complete — My Full-Stack Journey So Far”
 - **Content:**
 - Celebrate your progress and achievements.
 - List major skills gained (HTML, CSS, JS, React, Node.js, Express, MongoDB).
 - Encourage others to embark on a similar journey.
-

Additional Engagement Tips for Each Post

1. **Ask for Feedback:** End with a question (“Any tips on advanced debugging?”).
 2. **Use Hashtags:** #100DaysOfCode, #WebDevelopment, #FullStack, #JavaScript, #NodeJS, #React, etc.
 3. **Tag Influencers or Mentors:** If you used a specific tutorial or resource, tag the author.
 4. **Polls:** Occasionally run a LinkedIn poll asking about user preferences (e.g., “Docker vs. Vagrant?”).
 5. **Video Demos / GIFs:** Show short visuals of your app in action to increase engagement.
-

How to Use This Single Prompt

- Copy this entire text into a document or note-taking app.
 - Each day, come back to see what you’re supposed to learn/code and how to frame your LinkedIn post.
 - Tweak the daily tasks or the post ideas as needed to fit your style or schedule.
 - Over 120 days, you’ll build a robust portfolio, **document your process**, and **showcase your problem-solving abilities** to potential employers or internship recruiters.
-

That’s it! You now have a **120-day, day-by-day plan** complete with **LinkedIn post ideas** to document your progress. By consistently following these tasks and sharing your journey, you’ll **grow your skill set, build a portfolio** worth showing off, and make your LinkedIn profile stand out in the eyes of **hiring managers** and **fellow developers**. Good luck and enjoy the ride!