**⚡ Replit AI Copilot Guide for SmarterPayouts**

**Goal**: Use Replit’s AI assistant to accelerate page migration, logic generation, debugging, and UI component development.

**🧠 What Replit AI is Good At:**

* Converting HTML into React components
* Generating stateful React form logic
* Explaining backend logic (e.g., life expectancy formula)
* Refactoring repeated code into reusable components
* Handling basic MongoDB queries + Express routes
* Debugging syntax issues or state errors quickly

**🔍 Smart Prompt Examples (Copy/Paste Ready)**

**📄 1. Convert HTML to React**

text

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"Convert this static HTML hero section into a functional React component using Bootstrap 5 and JSX syntax."

**🧠 2. Create a Step Form Component**

text

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"Create a multi-step form in React using useState and conditional rendering. The steps are: Basic Info, Health Info, and Quote Summary. Store all values in a single state object."

**💾 3. Hook Up Calculator State**

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"Create a stateful React form that captures inputs for age, payment amount, and payment mode. Then simulate a calculation and display the result."

**🔁 4. Make JSON-driven Form Renderer**

text

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"Write a React component that renders form fields dynamically from a JSON schema. Use Bootstrap styles and support dropdowns and text inputs."

**🚀 5. Debug Backend Logic**

text

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"Explain what this block of code from my Express route is doing, and suggest how to simplify the MongoDB query logic."

**🔒 6. Secure API Routes**

text

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"Add basic auth or JWT middleware to protect this Express route. Respond with 401 if unauthorized."

**🛠 Suggested Replit Workflow (Fastest)**

1. **Open a new tab for Replit AI** alongside the code.
2. Copy HTML or JS you’re working on into the AI prompt window.
3. Ask AI to convert, explain, or modularize it.
4. Paste AI-generated code into your project, tweak, and test.
5. Use AI again to validate or refactor.

**🕒 How Much Time Can It Save?**

* Typical React page migration: **2–3 hrs reduced to ~30 mins**
* Express route setup: **1 hr reduced to ~15 mins**
* Debugging syntax issues: **< 5 mins with context prompt**