Three-Point Estimator Toolkit

Live Links

- Dashboard (S3): http://estimationdashboard.s3-website-us-east-1.amazonaws.com
- HTML Prototype: http://threepointestimator.s3-website-us-east-1.amazonaws.com
- API Docs: https://three-point-api.onrender.com/apidocs/

Overview

This toolkit reimagines how estimation can support both strategic planning and operational excellence.

It includes:
- A reusable Python API (Flask)
- An interactive React estimation dashboard
- A strategic BRD with HTML wireframe and prototype
- A product management white paper
- A case study on estimation ROI

Architecture Highlights

Frontend: HTML + React - Dashboard for input/output

Backend: Flask + Flasgger - Lightweight reusable API

Deployment: S3 + Render - Cloud-hosted solution

Export: jsPDF + Blob - Download TE results

Use Cases & Reusability

- Strategic roadmap planning
- QA sprint and cycle forecasting
- Resource simulation and What-If analysis
- Pre-JIRA estimation alignment
- Agile vs SAFe estimation comparisons

Flask API can be embedded in dashboards, internal tools, or data pipelines.

Why This Matters

Estimation isn't just a numbers game - it's a lens into how teams think, plan, and prioritize.

This tool creates a flexible, clear, and confidence-building framework for estimating effort, aligning resources, and scaling delivery maturity. It's easy to implement, but designed to spark strategic clarity and continuous improvement.

What This Shows About Me

This project reflects how I lead - with a bias for clarity, reusability, and transformation.

It demonstrates:

- Strategic systems thinking (top-down and bottom-up)

- Full-stack implementation (from white paper to API)

- Business and technical fluency

- Product mindset anchored in usability and adaptability

It's not just code - it's a reflection of how I pivot with power, on purpose.

Credits

Built and branded by Donell Adams-Welch

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