Schema2Rest – Low Code Platform for Generating Custom Apps

Schema2Rest rapidly transforms your data model into a complete, ready-to-use web application—delivering both front-end and back-end automatically. Define your information structure once and get a functional app without coding.

The Business Challenge

Building custom data-driven applications normally requires weeks or months of iterations including back-end coding, database design, and front-end development. Early in a project's lifecycle, data model changes are frequent—each one can cause days or weeks of rework.

Our Solution

Schema2Rest eliminates that churn. Teams define or update their entities in a simple data definition language (DDL). The platform instantly generates:

- Standardized ReST API - Automatic CRUD operations (Create, Read, Update, Delete)
- Consistent Web UI – Works with any data model
- Flexible Databases – Choose and swap databases easily (MongoDB, Elasticsearch, etc.)
- Built-in Data Validation – Data quality enforced end-to-end
- **Works in Reverse** – Query a database to generate a DDL

Key Benefits

- Speed: Launch a proof-of-concept in **hours**, not weeks
- Cost Savings: Reduce bespoke coding by up to **80%**
- Flexibility: Easily switch databases or change entities without rework
- Consistency: Uniform APIs, validation, and data management across apps
- Future-Proof: Quickly adapt to changing requirements with minimal effort
- **Reverse-Engineer**: Use an existing database to generate a full S2R app

Who Uses It

- Innovation teams validating new product ideas
- IT departments standardizing internal tools without adding developer backlog
- Business analysts who need quick dashboards or data trackers

How It Fits Your Roadmap

Schema2Rest slots into existing DevOps pipelines and cloud environments. It produces clean, maintainable Python and Angular code, so your developers can own and extend it if needed—while the business enjoys faster delivery today.