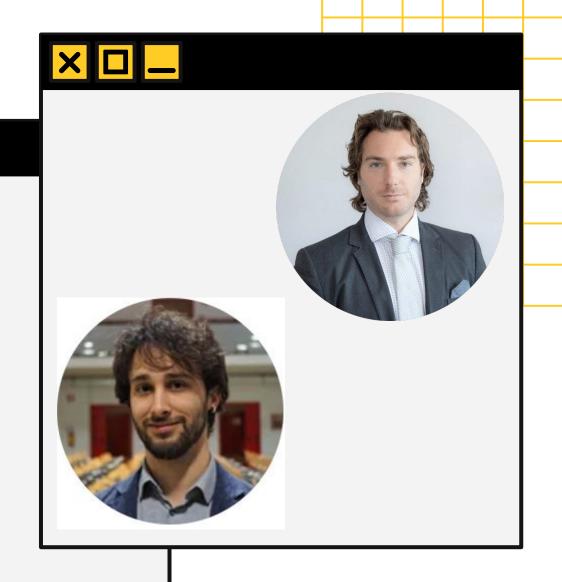




Hi! We are Daniele^2!

We are software developers, working in Sintra Consulting, making e-commerce solutions and integrations







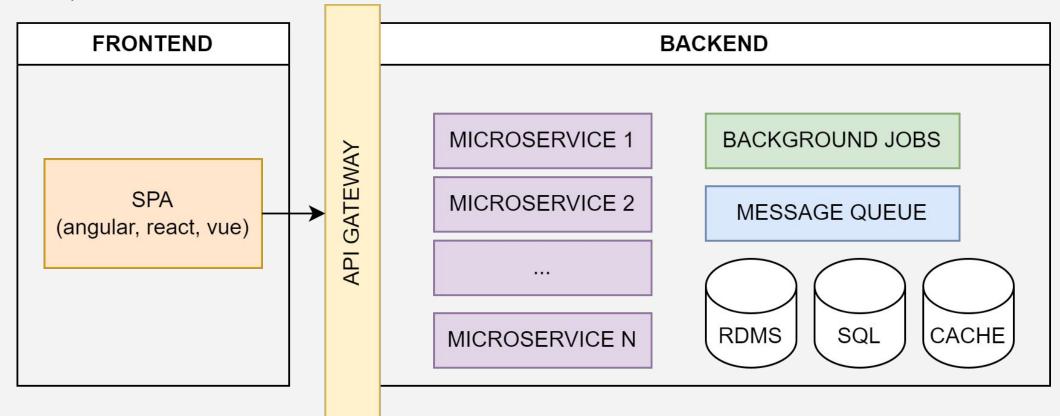
Developing an application in 2023







Modern app architecture...







That's good because

- BEST OF BREED
- WORK PARALLELIZATION ACROSS
 MULTIPLE TEAMS
- BETTER PERFORMANCE
- SEPARATION OF CONCERNS





... but brings some issues

- YOU NEED MULTIPLE TEAMS OR COMPETENCES
- A SINGLE PERSON CANNOT DO THE JOB
- IN CASE OF PROBLEMS, WHERE TO LOOK?





Who is impacted more?

- LOW-BUDGET PROJECTS
- SMALL COMPANIES
- STARTUP
- NO MORE QUICK AND DIRTY APPLICATIONS



It's still possible to develop a web application with ease?







WHAT IS CRUDIT?

CRUDIT IS THE LOW-CODE
LIGHTWEIGHT JAVASCRIPT LIBRARY THAT
ENABLES DEVELOPERS TO CREATE
APPLICATION WITHOUT ANY BACKEND OR
SYSADMIN KNOWLEDGE.





What is Crudit for?

- → Fast shipping Multi-tenant Node.js applications
- → Mutate existing MongoDB data fast and easily
- → Form retrieval with server-side validations

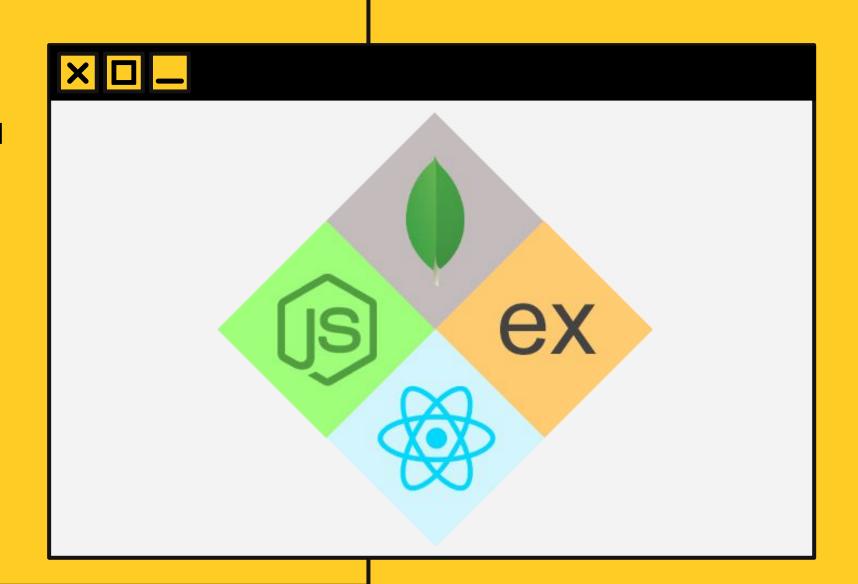


But How?

Crudit can be deployed in a Edge Function, connected to a Mongo Atlas Database, and forget about it

You get a complete

REST Compliant API in
a few Javascript
Lines!





What can Crudit do?

Crudit is a Javascript Library, that can perform many operations and cover many use cases

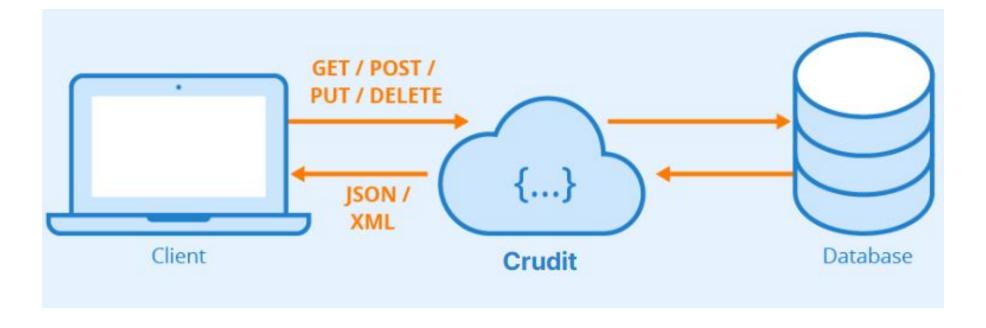


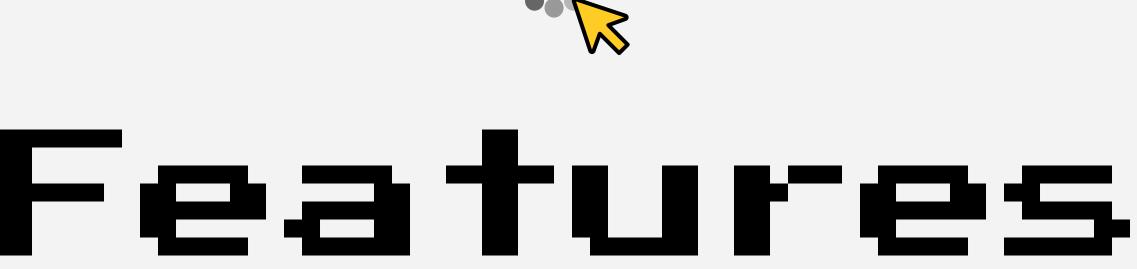






Hooks on Events













Multi Tenant RESTful API For CRUD Operations

Integrate with a MongoDB Atlas almost without configurations



```
const app = express();
app.use(express.json());
// configure settings
crudy.config(
   function(config){
        config.database.url=process.env.CRUDIT_DBURL;
);
app.all('/api/handler',
    async (request, response) => {
        return await crudy.run(request, response);
);
```



The calls follow the REST protocol:

Read with GET

■pdate with PUT

Delete with DELETE

I

Try with npm i crudit



A Database Interface

Crudit expose a multi tenant RESTful API.

Each user writes on its own MongoDB database, and the path decides the collection the document are written on



Custom Endpoint for Dedicated API Routes

Create routes with custom handlers.

Use this method to create a login and register method, and let users authenticate



```
crudy.request(
    "publish",
    "post",
    true,
    async function({loggedRequest}){
       return handleRequest(loggedRequest);
    }
);
```



Server Side Validation

When creating an entity, you can define a name or a Regex for a Database and/or Collection.

Then create a validation object using validator.js syntax, and your entity will be validated before been written on database



```
crudy.configEntity('validateBoth', {
    db: 'testValidationBothDB',
    collection: 'testCollectionBoth',
    validation: {
        age: 'min:18|required',
        email: 'email|required'
    }
});
```



Hooks on events

Create custom function on events.

The function can be triggered always, but also only connected to a database or collection name

The event handler can modify the data and has access to the user, database and collection.



```
crudy.hook('log',
    events.beforeSave,
    'logs',
    'before_save',
    async function({params}){
        let log = {
            db: params.db,
            collection: params.collection,
            user: params.user,
            date: new Date().toISOString()
        database.insert('logs', 'before_save', log);
```



Mutations

Register a mutation than execute it.

A mutation can be registered with a REGEX for Collection name and, and can be executed on a single database or in every database



```
crudy.mutation(
    'mutationOnEveryThing',
    async (databaseName, prevExec) => {
        return await mutateData(databaseName);
);
mutations.applySingle('thisDatabase', 'thisMutation');
mutations.applyOne('thisDatabase', true);
mutations.applyAll();
```





And What About DevOps? Don't Need it Either!

Crudit can be used in every Node.js compatible runtime, from Lambda To Cloud Functions, and even Edge Functions!





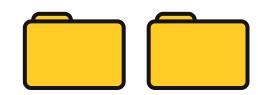
Who is For?

- Modern FullStack Javascript Projects that needs a Database connection (Frontend Driven App)
- Node.js & MongoDB Applications
- Any Projects that don't need complex infrastructures and are written mostly in Javascript
- Explorative e/or Amateur Projects, reducing costs to zero thanks to the free tiers



Who needs something else

- Multimedia-Focused Applications
- Strong Relational Data
- High Business Logic Complexity
- Separation of Business Logic from Data
- Needs of Graphical Interface for Backend







What we want to add?

- Configuration Import from YAML and JSON
- Support for media assets, without creating a custom endpoint
- Suggestions for future implementations
- . . .
- Github Stars 🌟

Contributions and Pull requests are open!





