Me-API Playground: Developer Portfolio Management System

A Production-Ready RESTful API for Modern Talent Platforms

WHAT IS IT?

Me-API Playground is a smart, scalable backend system that transforms how developer profiles and projects are managed. Built for the modern tech ecosystem, it seamlessly connects talent with opportunity through intelligent skill-based filtering and clean data architecture.

Perfect for: Portfolio platforms • Talent discovery engines • AI-powered recruitment • Developer marketplaces

TECH STACK & ARCHITECTURE

Backend: Express.js (Node.js) • **Database:** MongoDB with Mongoose ODM • **API Style:** RESTful

Frontend Ready: Optimized for React, AI/LLM evaluation systems, and pitch models like Predusk

Data Flow: React Client → Express.js Routes → MongoDB Storage → JSON Response

CORE API ENDPOINTS

1. **GET /api/profiles** - Retrieve all developer profiles in the system

2. **GET /api/profiles/:id** - Fetch a specific profile by MongoDB ObjectId

3. **POST /api/profiles** - Create new developer profiles with skills, projects, and experience

4. **GET /api/projects?skills=Python** - Filter projects by skill and get associated profile IDs

Route Implementation (Express.js):

```
const { getProfiles, getProfileById, createProfile, getProjects } = require('../controllers/profileController');
router.get('/projects', getProjects);
router.get('/', getProfiles);
router.get('/:id', getProfileById);
router.post('/', createProfile);
```

DATABASE ARCHITECTURE

Single Profile collection with intelligent nested sub-documents for optimal query performance.

Sample Profile Structure:

```
{"name": "David Kim", "email": "dkim@fullstack.io", "education": "B.S. Engineering, UCLA", "skills": ["Next.js",
"TypeScript", "Prisma", "PostgreSQL"], "projects": [{"title": "SaaS Starter", "description": "Boilerplate for SaaS
apps", "links": ["https://saas-starter.com"]}], "work": [{"company": "StartupX", "position": "Fullstack Dev",
"description": "Built the MVP from scratch."}], "links": {"github": "github.com/dkim", "linkedin":
"linkedin.com/in/dkim", "portfolio": "davidkim.dev"}}
```

SCHEMA BREAKDOWN

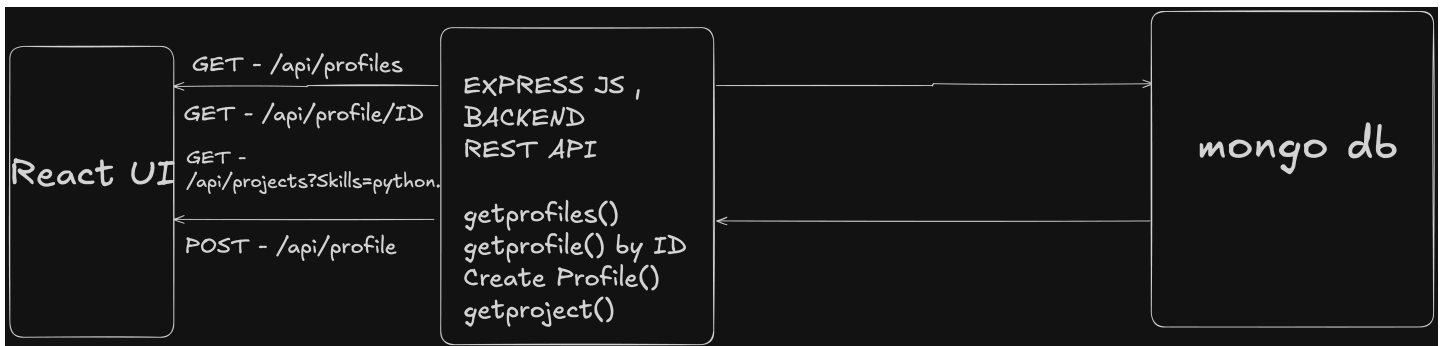| Field	Type	Key Features
id	ObjectId	Auto-generated unique primary key
name	String	Required full name
email	String	Indexed, unique identifier
skills	Array[String]	Technology stack (JavaScript, React, etc.)
projects	Array[Object]	Nested sub-documents with title, description, links
work	Array[Object]	Professional experience history
links	Object	GitHub, LinkedIn, Portfolio URLs
timestamps	Date	Auto-generated createdAt/updatedAt

WHY AI & INVESTORS LOVE THIS API

✓ **Structured Schema** - Predictable data format for machine learning models

✓ **Skill-Based Intelligence** - Semantic matching through advanced filtering

✓ **Embedding-Ready** - Nested documents perfect for vector generation

✓ **Clean Separation** - Profiles and projects logically organized

✓ **Production-Ready** - Scalable architecture for real-world deployment

CONCLUSION

Me-API Playground delivers enterprise-grade REST architecture with intelligent schema design and developer-friendly endpoints. Whether you're building the next LinkedIn, training an AI recruitment model, or pitching to investors, this system provides the robust foundation you need.

Ready to integrate? All endpoints are public and JSON-optimized for seamless frontend consumption.

GITHUB ACCOUNT :- https://github.com/nayaknishant656/Me-api-playground

GITHUB (BACKEND) :-https://github.com/nayaknishant656/predusk-backend-mongodb-express-react

GITHUB (FRONTEND) :-https://github.com/nayaknishant656/predusk-frontend-react

DEPLOYED URL FRONTEND :-https://predusk-frontend-react-geyj.vercel.app/

DEPLOYED URL BACKEND :-https://predusk-backend-mongodb-express-rea-eta.vercel.app/api/profiles