



# AutoBackend.AI

Instant Backend from API Specs

AI-Powered Backend Generation in Seconds



# The Problem

## Time-Consuming Setup

Developers spend countless hours writing boilerplate code, configuring routes, and setting up validation before writing any business logic.

## Repetitive Work

Backend development involves repetitive patterns that slow down prototyping and drain resources in startups.

## Development Friction

Setting up backends is a major hurdle in hackathons and significantly slows down the development lifecycle.

# 70%

of development time spent on boilerplate



## 100+

Lines of setup code



## 2-3

Days for basic setup

# The Solution



## AutoBackend.AI

AI-powered code generation platform that reads OpenAPI specifications and instantly writes complete, well-structured Hono.js backends.



OpenAPI Spec



AI Processing



Complete Backend

### **Instant Generation**

Complete backend with routes, models, middleware, tests, and documentation generated in seconds.

### **Complete Project Structure**

Not just snippets - full project scaffolding with package.json, README.md, and organized file structure.

### **Production Ready**

High-quality, idiomatic TypeScript code that's ready for deployment and further development.

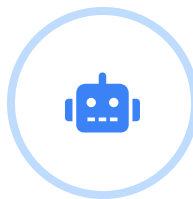
# Live Demo

## 1 Input OpenAPI Spec

```
// OpenAPI 3.0 Specification
{
  "openapi": "3.0.0",
  "info": {
    "title": "User API",
    "version": "1.0.0"
  },
  "paths": {
    "/users": {...}
  }
}
```

Paste your OpenAPI specification into the clean UI interface.

## 2 AI Generation



### Vercel AI SDK + Gemini 2.5 Pro

AI analyzes the API contract and generates high-quality TypeScript code.

## 3 Complete Backend

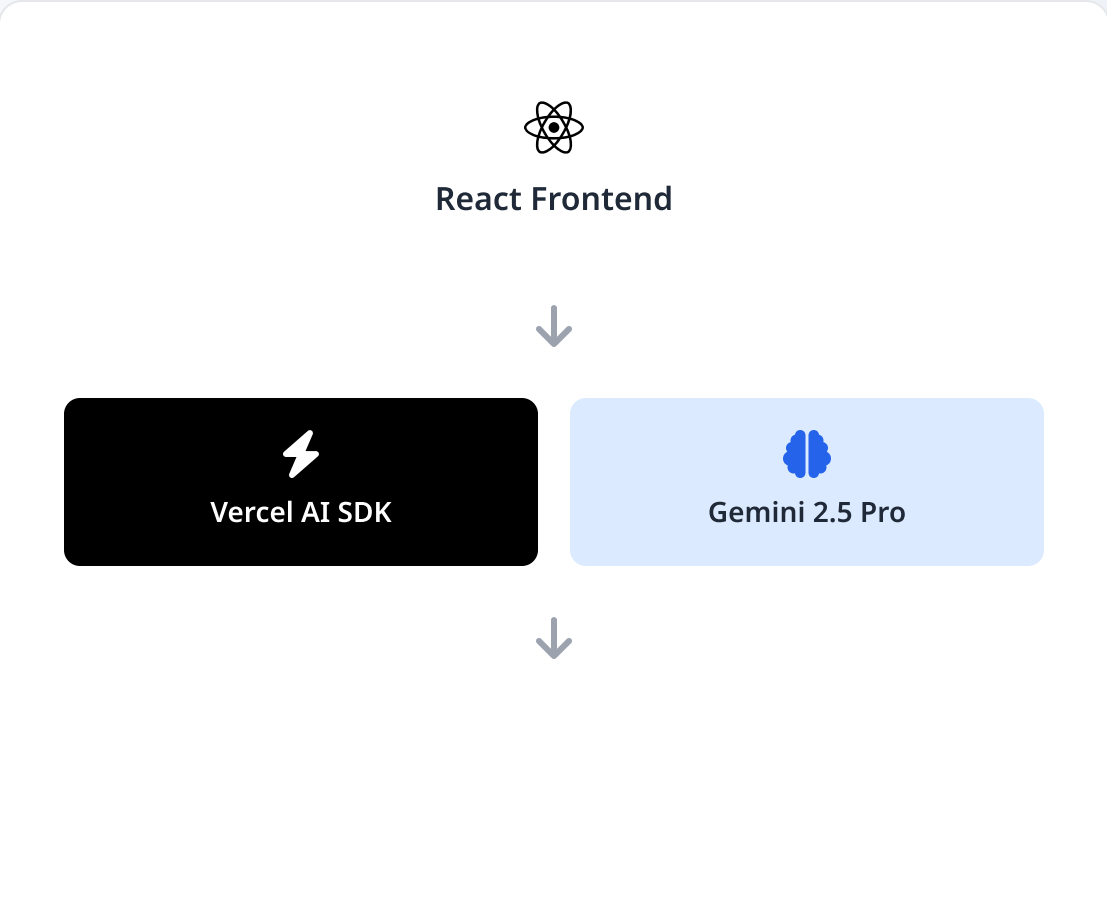
- src/
  - index.ts
  - routes/
    - users.ts
  - models/
  - middleware/
- package.json
- README.md

 Download ZIP

From API Spec to Production-Ready Backend in **Seconds**

# Technology Stack

## Architecture Overview



### Hono.js

Fast, lightweight web framework for building modern APIs with TypeScript support.



### Vercel AI SDK

Powerful toolkit for building AI-powered applications with streaming and structured outputs.



### Gemini 2.5 Pro

Google's advanced AI model for code generation and complex reasoning tasks.



### React

Modern frontend framework for building responsive and interactive user interfaces.

# Market & Business Model

## Target Audience



### Solo Developers

Independent developers building MVPs and prototypes who need to move fast.



### Startups

Early-stage companies looking to accelerate development and reduce time-to-market.



### Students & Hackathons

Students and hackathon participants who need quick backend setup for competitions.



### Enterprise Teams

Development teams looking to standardize and accelerate their backend development process.

## Revenue Strategy

### Free Tier

**\$0**

- ✓ 5 generations per month
- ✓ Basic Hono.js templates
- ✓ Community support

### Pro Tier

**\$29/mo**

- ✓ Unlimited generations
- ✓ Advanced templates
- ✓ Database integration
- ✓ Priority support

### Enterprise

**Custom**

- ✓ Custom templates
- ✓ Team collaboration
- ✓ On-premise deployment
- ✓ Dedicated support

# Competitive Edge

## What Sets Us Apart

### Full Project Structure

We generate complete, organized projects with proper file structure, not just code snippets.

### Production Ready

Generated code follows best practices and is ready for deployment without modifications.

### OpenAPI Native

Built specifically for OpenAPI specifications, ensuring perfect API contract compliance.

### Modern Stack

Focuses on cutting-edge technologies like Hono.js and TypeScript for optimal performance.

## AutoBackend.AI vs Competitors

Traditional Tools	AutoBackend.AI
Generate code snippets only	Complete project with structure
Manual integration required	Ready-to-run backend
Generic templates	OpenAPI-specific generation
Limited framework support	Modern Hono.js + TypeScript
Hours of setup time	Seconds to complete backend

# Future Roadmap

## Phase 1



### Multi-Language Support

 Python (FastAPI)

 Go (Gin/Echo)

 Java (Spring Boot)

 Rust (Actix)

Q2 2024

## Phase 2



### Database Integration

PostgreSQL Support

 MongoDB Integration

 Redis Caching

 ORM Generation

Q3 2024

## Phase 3



### DevOps & Enterprise

 Docker Containerization

 CI/CD Pipeline Generation

 Cloud Deployment

 Team Collaboration

Q4 2024

## Vision: The Complete Backend Ecosystem

From API specification to production deployment in one seamless workflow

# Meet the Team

The innovators behind AutoBackend.AI



**Youhana**

Lead Developer

Full-stack engineer with expertise in AI integration and modern web technologies.

TypeScript React AI/ML



**Anjalee**

Backend Architect

System architect designing scalable backend solutions and API infrastructure.

Architecture APIs  
Systems



**Hephzy**

Backend Developer

Backend developer implementing robust server-side logic and code generation systems.

Hono.js Node.js APIs



**Naila**

UX Designer

User experience designer creating intuitive interfaces for developer tools.

UI/UX Design Figma



**Ryan**

Product Manager

Product strategist driving vision and ensuring market-fit for developer solutions.

Strategy Product Growth

## Our Mission

To democratize backend development by making it accessible, fast, and enjoyable for developers of all skill levels through the power of AI.