1. Main directory/.env.production

NEXT\_PUBLIC\_API\_URL=https://smart-gen-edu-x-production.vercel.app/api/v1

NEXT\_PUBLIC\_SUPABASE\_URL=https://db.waqttehjaifdkcbovund.supabase.co

NEXT\_PUBLIC\_SUPABASE\_ANON\_KEY=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJzdXBhYmFzZSIsInJlZiI6IndhcXR0ZWhqYWlmZGtjYm92dW5kIiwicm9sZSI6ImFub24iLCJpYXQiOjE3NDk2Mjk1ODIsImV4cCI6MjA2NTIwNTU4Mn0.nv1\_UIuXl-wSfkfTMvwCUsJTGO65TwZ2D8a571ELKJ0

2. main directory/License

MIT License

Copyright (c) 2025 SmartGenEduX - Educational Technology Solutions

Permission is hereby granted, free of charge, to any person obtaining a copy

of this software and associated documentation files (the "Software"), to deal

in the Software without restriction, including without limitation the rights

to use, copy, modify, merge, publish, distribute, sublicense, and/or sell

copies of the Software, and to permit persons to whom the Software is

furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all

copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR

IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,

FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER

LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,

OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE

SOFTWARE.

---

## Additional Terms for SmartGenEduX Platform

### Commercial Use

This software is designed for educational institutions and can be used commercially

under the terms of this license. The SmartGenEduX brand and associated logos are

proprietary and subject to separate licensing terms.

### Attribution

When using this software in production, attribution to SmartGenEduX is appreciated

but not required. However, removal of copyright notices is prohibited.

### Support

This software comes with community support. For enterprise support and customization

services, please contact: prativedan@smartgenedux.org

### Warranty Disclaimer

SmartGenEduX is provided "as-is" without any warranty. Users are responsible for

testing and validation in their specific environments.

3. main directory/Config.js

// SmartGenEduX Configuration - Production Mode Only

const config = {

mode: 'production',

production: {

// Base URL for your backend API

apiUrl: process.env.NEXT\_PUBLIC\_API\_URL || 'https://smart-gen-edu-x-production.vercel.app/api/v1',

// Supabase Public URL for frontend (no sensitive keys here)

supabaseUrl: process.env.NEXT\_PUBLIC\_SUPABASE\_URL || 'https://db.waqttehjaifdkcbovund.supabase.co',

// Public anon key for safe client-side access to Supabase APIs

supabaseKey: process.env.NEXT\_PUBLIC\_SUPABASE\_ANON\_KEY || 'eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJzdXBhYmFzZSIsInJlZiI6IndhcXR0ZWhqYWlmZGtjYm92dW5kIiwicm9sZSI6ImFub24iLCJpYXQiOjE3NDk2Mjk1ODIsImV4cCI6MjA2NTIwNTU4Mn0.nv1\_UIuXl-wSfkfTMvwCUsJTGO65TwZ2D8a571ELKJ0',

// Feature toggles for your application

features: {

realTimeSync: true,

cloudStorage: true,

multiTenant: true,

}

}

};

/\*\*

\* Returns the active production config object

\* @returns {object} config.production

\*/

function getConfig() {

return config.production;

}

/\*\*

\* Indicates if the app is in demo mode (false here).

\* @returns {boolean}

\*/

function isDemoMode() {

return false;

}

/\*\*

\* Indicates if the app is running in production mode (true here).

\* @returns {boolean}

\*/

function isProductionMode() {

return true;

}

// Export for use in CommonJS or Node.js apps

if (typeof module !== 'undefined' && module.exports) {

module.exports = { config, getConfig, isDemoMode, isProductionMode };

}

4. main directory/package.json

{

"name": "smartgenedux-comprehensive-erp",

"version": "2.4.1",

"description": "Complete School Management ERP System with 19+ Core Modules, including Integrated Financial (Tally) and Communications (Arattai/WhatsApp).",

"main": "API/index.js",

"scripts": {

"prebuild": "node setup-production.js",

"start": "node API/index.js",

"dev": "nodemon API/index.js",

"build": "echo 'Vercel build successful.'",

"deploy": "vercel --prod"

},

"keywords": [

"school",

"management",

"erp",

"education",

"saas"

],

"author": "SmartGenEduX",

"license": "MIT",

"dependencies": {

"express": "^4.18.2",

"cors": "^2.8.5",

"dotenv": "^16.3.1",

"helmet": "^7.1.0",

"express-rate-limit": "^7.1.5",

"pg": "^8.11.3",

"bcrypt": "^5.1.1",

"jsonwebtoken": "^9.0.2",

"multer": "^1.4.4-lts.1",

"nodemailer": "^6.9.8",

"@supabase/supabase-js": "^2.26.0"

},

"devDependencies": {

"nodemon": "^3.0.2"

},

"engines": {

"node": ">=18.0.0"

},

"repository": {

"type": "git",

"url": "https://github.com/smartgenedux/comprehensive-erp"

}

}

5. main directory/Setup\_Production.js

#!/usr/bin/env node

/\*\*

\* SmartGenEduX Production Setup Script

\* Automatically configures the platform for production deployment

\*/

const fs = require('fs');

const path = require('path');

console.log('🚀 SmartGenEduX Production Setup');

console.log('==================================\n');

const config = {

mode: 'production',

database: {

type: 'supabase',

url: process.env.DATABASE\_URL || '',

},

deployment: {

platform: 'vercel',

domain: process.env.CUSTOM\_DOMAIN || '',

},

};

function updateConfig() {

console.log('📝 Updating configuration files...');

const clientConfigPath = path.join(\_\_dirname, 'client', 'dist', 'js', 'config.js');

const clientConfig = `

// SmartGenEduX Configuration

const CONFIG = {

mode: '${config.mode}',

apiBaseUrl: window.location.hostname === 'localhost'

? 'http://localhost:3000/api'

: 'https://' + window.location.hostname + '/api',

isDemoMode: false,

features: {

realTimeSync: true,

emailNotifications: true,

paymentGateway: true,

multiTenant: true,

aiFeatures: true,

},

ui: {

showDemoData: false,

enableAdvancedFeatures: true,

showSuperAdminFeatures: true,

}

};

// Export for modules

window.SMARTGEN\_CONFIG = CONFIG;

`;

fs.writeFileSync(clientConfigPath, clientConfig);

console.log('✅ Client configuration updated');

const serverConfigPath = path.join(\_\_dirname, 'API', 'config.js');

const serverConfig = `

module.exports = {

mode: '${config.mode}',

database: {

type: '${config.database.type}',

url: process.env.DATABASE\_URL,

ssl: process.env.NODE\_ENV === 'production',

},

auth: {

sessionSecret: process.env.SESSION\_SECRET || 'dev-secret-change-in-production',

tokenExpiry: '24h',

bcryptRounds: 12,

},

features: {

emailService: process.env.NODE\_ENV === 'production',

smsService: process.env.NODE\_ENV === 'production',

paymentGateway: process.env.NODE\_ENV === 'production',

fileUpload: true,

aiProcessing: true,

},

limits: {

fileUploadSize: '10MB',

requestsPerMinute: 100,

maxSchools: 1000,

},

};

`;

fs.writeFileSync(serverConfigPath, serverConfig);

console.log('✅ Server configuration (API/config.js) created');

}

function createDatabaseHelper() {

console.log('🗄️ Creating database connection helper...');

const dbHelperPath = path.join(\_\_dirname, 'API', 'database.js');

const dbHelper = `

const { Pool } = require('pg');

class DatabaseManager {

constructor() {

this.pool = new Pool({

connectionString: process.env.DATABASE\_URL,

ssl: process.env.NODE\_ENV === 'production' ? { rejectUnauthorized: false } : false,

max: 20,

idleTimeoutMillis: 30000,

connectionTimeoutMillis: 2000,

});

this.testConnection();

}

async testConnection() {

try {

const client = await this.pool.connect();

console.log('✅ Database connected successfully');

client.release();

} catch (err) {

console.error('❌ Database connection failed:', err.message);

if (process.env.NODE\_ENV === 'production') process.exit(1);

}

}

async query(text, params) {

const start = Date.now();

try {

const res = await this.pool.query(text, params);

const duration = Date.now() - start;

console.log('Executed query', { text: text.substring(0, 50) + '...', duration, rows: res.rowCount });

return res;

} catch (err) {

console.error('Database query error:', err);

throw err;

}

}

async getClient() {

return await this.pool.connect();

}

async close() {

await this.pool.end();

}

}

module.exports = new DatabaseManager();

`;

fs.writeFileSync(dbHelperPath, dbHelper);

console.log('✅ Database helper (API/database.js) created');

}

function createEnvTemplate() {

console.log('🔐 Creating environment template...');

const envTemplatePath = path.join(\_\_dirname, '.env.example');

const envTemplate = `# SmartGenEduX Production Environment Variables

DATABASE\_URL=postgresql://postgres:password@localhost:5432/smartgenedux

NODE\_ENV=production

SESSION\_SECRET=your-32-character-random-string

JWT\_SECRET=your-jwt-secret

BCRYPT\_ROUNDS=12

SMTP\_HOST=smtp.gmail.com

SMTP\_PORT=587

SMTP\_USER=your-email@gmail.com

SMTP\_PASS=your-app-password

STRIPE\_SECRET\_KEY=sk\_test\_...

STRIPE\_PUBLIC\_KEY=pk\_test\_...

MAX\_FILE\_SIZE=10485760

UPLOAD\_PATH=./uploads

OPENAI\_API\_KEY=sk-...

SENTRY\_DSN=

ANALYTICS\_ID=

`;

fs.writeFileSync(envTemplatePath, envTemplate);

console.log('✅ Environment template created');

}

function main() {

updateConfig();

createDatabaseHelper();

createEnvTemplate();

console.log('\n🎉 Production setup completed successfully!');

}

if (require.main === module) {

main();

}

module.exports = {

updateConfig,

createDatabaseHelper,

createEnvTemplate,

main,

};

6. main directory/Vercel.json

{

"version": 2,

"builds": [

{

"src": "api/index.js",

"use": "@vercel/node",

"config": {

"maxLambdaSize": "50mb"

}

},

{

"src": "client/dist/\*\*",

"use": "@vercel/static"

}

],

"routes": [

{

"src": "/api/(.\*)",

"dest": "/api/index.js"

},

{

"src": "/(.\*)",

"dest": "/client/dist/$1"

}

],

"env": {

"NODE\_ENV": "production",

"DATABASE\_URL": "postgresql://postgres:Balanira%402022@db.waqttehjaifdkcbovund.supabase.co:5432/postgres",

"SESSION\_SECRET": "Balanira\_19831994Vipula@2022\_202526",

"JWT\_SECRET": "Vipula\_198319942022@2022&2025-26",

"BCRYPT\_ROUNDS": "12"

}

}