

EROMOSELE ISRAEL

Full Stack Developer

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TECHNICAL SKILLS

Frontend

HTML5 • CSS3 • JavaScript
Three.js • WebGL • 3D Graphics
Responsive Design • UI/UX

Backend

Python • Flask • Django
RESTful APIs • Database Design
SQL • PostgreSQL • SQLite

Cloud & DevOps

Render • Railway • Cloudinary
Git • GitHub • CI/CD
Docker • Agile/Scrum

Development Focus

Web Applications
3D Visualizations
API Integration
Database Architecture
Cloud Deployment

EDUCATION

Higher National Diploma

Computer Science

Focus: Software Development,
Programming Principles,
Systems Architecture

PROJECT LINKS

GitHub Portfolio
iPhone Visualizer Demo
Recipe Planner Demo
Expense Tracker Demo
Task Manager Demo
Notes Manager Demo

PROFESSIONAL SUMMARY

Passionate Full Stack Developer with 5+ years of experience crafting innovative web applications and interactive experiences. Specialized in Django and Flask for robust backend systems, with expertise in pushing web technology boundaries through 3D visualizations using Three.js. Proven track record of delivering 20+ production applications—from scalable recipe management platforms to immersive 3D product visualizers. Strong expertise in the full development lifecycle including database design, API development, responsive frontend interfaces, and cloud deployment. Driven by solving real-world problems with clean code, modern technologies, and relentless focus on user experience.

PROFESSIONAL EXPERIENCE

Freelance Full Stack Developer

Self-Employed | 2019 – Present

- Architected and deployed **20+ responsive web applications** using Flask, Django, Three.js and modern frontend technologies, serving diverse client needs across industries
- Designed and implemented **RESTful APIs and PostgreSQL database schemas** supporting complex data relationships and efficient query performance for production applications
- Integrated **third-party APIs and cloud services** (Cloudinary, TheMealDB) for enhanced functionality, media storage, and seamless data synchronization
- Developed comprehensive **authentication systems and CRUD operations** with user session management, role-based access control, and data validation
- Established **CI/CD pipelines and cloud deployment workflows** on Render and Railway, ensuring reliable application delivery with 99%+ uptime
- Collaborated directly with clients to gather requirements, iterate on designs, and deliver **scalable solutions within tight deadlines**, maintaining 95%+ client satisfaction rate

KEY PROJECTS

iPhone 17 Pro Concept 3D Visualizer | Interactive Web Application

Three.js (r128) • JavaScript ES6+ • WebGL • 3D Graphics • Procedural Geometry

- Built ultra-realistic **3D interactive visualizer** using procedural geometry with no external model files
- Implemented **custom color picker with 6 Titanium color variants** and real-time material switching
- Developed detailed geometry including Dynamic Island, camera bar, LiDAR sensor, and USB-C port
- Created **responsive touch and mouse controls** with auto-rotation and zoom capabilities
- Applied PBR materials with environment mapping for photorealistic metallic rendering
- Live Demo →

Smart Recipe Planner | Full-Stack Web Application

Django 5.2.6 • PostgreSQL • Cloudinary • WhiteNoise • Render Deployment

- Built comprehensive meal planning platform with **recipe discovery, pantry management, and automated shopping lists**
- Integrated **TheMealDB API** providing access to 1000+ recipes with advanced search and filtering capabilities
- Implemented **Cloudinary media storage** for user-uploaded recipe images with automatic optimization
- Deployed production-ready application on Render with **PostgreSQL database and security configurations**
- Designed responsive UI supporting seamless mobile and desktop experiences
- Live Demo →

Expense Tracker with AI Insights

Django • Python • PostgreSQL • AI Integration • RESTful APIs

- Built full-stack financial management application with **AI-powered spending analysis** and predictive insights
- Implemented **secure user authentication, data visualization, and export functionality**
- Optimized database queries achieving sub-200ms response times for enhanced performance
- Live Demo →

Task Manager Application

Flask • Python • SQLite • JavaScript • Responsive CSS

- Developed intuitive task management platform with **filtering, priority sorting, and status tracking**
- Designed **RESTful API architecture** enabling seamless CRUD operations and data persistence
- Live Demo →

Notes Manager

Flask • Python • SQLite • HTML5 • CSS3

- Engineered minimalist note-taking application with **real-time auto-save functionality**
- Implemented **markdown support** and optimized database queries for improved performance
- Live Demo →