

ISRAEL PRABHUDAS MAHIDA

Python Full-Stack Developer | Django, Django REST Framework, FastAPI, Flask | React.js, TypeScript | AI / LLM Integration

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PROFESSIONAL SUMMARY

Python Full-Stack Developer with 3+ years of experience shipping production-grade web applications in Python (Django, Django REST Framework, FastAPI, Flask) with React.js and TypeScript frontends. Designs RESTful and asynchronous APIs, relational and NoSQL data architectures (PostgreSQL, MySQL, MongoDB, Redis), and AI / LLM-powered features including RAG pipelines, pgvector semantic search, and LLM API integration (OpenAI, Gemini, Claude, OpenRouter). Delivered platforms serving 12,000+ active users and 50,000+ monthly transactions, plus four self-built products live in production with payment integration, secure authentication, and CI/CD. Additional backend experience in PHP (Laravel, CodeIgniter) and frontend in Vue.js / Nuxt.js. Led a 4-person development team with direct international client ownership. 15 years of full-time education; available for immediate joining.

TECHNICAL SKILLS

Primary Language: Python (primary), JavaScript (ES6+), TypeScript, SQL, PHP

Python Backend: Django, Django REST Framework (DRF), FastAPI (async/await), Flask, SQLAlchemy 2.0, Alembic, Pydantic, Unicorn, Uvicorn

Frontend: React.js (Hooks, Vite, Zustand, shadcn/ui), TypeScript, Tailwind CSS, Vue.js 3, Nuxt.js 3, Pinia, Vue Flow, Monaco Editor, HTML5, CSS3, Responsive UI

AI / LLM: LLM API Integration (OpenAI, Google Gemini, Anthropic Claude, OpenRouter), Retrieval-Augmented Generation (RAG), Vector Search (pgvector), Embeddings (sentence-transformers), Hybrid Semantic + Keyword Search, Prompt Engineering

APIs & Integration: RESTful API Design, Asynchronous APIs, API Versioning, GraphQL (exposure), Third-Party API Integration, Razorpay Payment Gateway, Postman Authentication & Security: JWT Authentication, HttpOnly Signed Session Cookies, bcrypt Password Hashing, Role-Based Access Control, Per-User Resource Isolation, SSL / HTTPS

Databases: PostgreSQL, MySQL, SQLite (SQL) | MongoDB, Redis (NoSQL / caching) | pgvector, Full-Text Search, Query Optimisation, Schema Design, Migrations

DevOps & Cloud: Docker, Docker Compose, GitHub Actions (CI/CD), Nginx, Caddy, systemd, Linux VPS, DigitalOcean, Git, GitHub

Other Backend: PHP (Laravel, CodeIgniter), Node.js (exposure), WebAssembly (Pyodide)

SDLC & Practices: Agile / Scrum, Jira, Code Reviews, Automated Testing, Technical Documentation, Requirements Gathering, Client Communication, Team Leadership

Operating Systems: Linux (Ubuntu), Windows, macOS

WORK EXPERIENCE

Senior Full-Stack Developer — ToDoIT, Gandhidham, Gujarat, India

Oct 2023 – May 2026

Tech Stack: Python, Django, Django REST Framework, FastAPI, Flask, React.js, Vue.js (Nuxt.js), Laravel, PostgreSQL, MySQL, Redis, Docker, GitHub Actions, Jira

- Python was the primary backend language across every project — designed and built RESTful APIs with Django REST Framework and FastAPI covering business logic, data modelling, and third-party integrations for booking and transaction workflows.
- Engineered asynchronous, high-throughput API endpoints in Python using FastAPI and async/await, reducing latency on time-sensitive operations and improving overall system performance by 50–60% under high concurrent load.
- React.js was the primary frontend framework on the Laravel-based booking product — built new React modules, implemented responsive component-driven UI for newly introduced features, and optimised the backend APIs serving them.
- Introduced AI / LLM capability into the product line, integrating OpenAI APIs into live features and embedding AI copilots into the team's daily workflow to accelerate coding, debugging, and documentation without compromising code quality.
- Built a digital invitation SaaS platform end-to-end — Django REST Framework backend with Razorpay payment integration, Vue 2 / Nuxt 2 SSR frontend — serving 12,000+ active users and 50,000+ monthly transactions.
- Designed and implemented a real-time availability and allocation engine in Python, encoding complex business rules to guarantee accurate, conflict-free booking operations at scale.
- Optimised PostgreSQL and MySQL schemas and queries and implemented Redis caching, measurably reducing response times on high-traffic endpoints.
- Wrote automated test cases for backend and frontend modules; led and participated in code reviews and architecture discussions to maintain engineering best practices.

- Managed CI/CD pipelines with GitHub Actions, containerised applications with Docker, and tracked delivery via Jira in an agile, sprint-based workflow.
- Led a 4-person development team — owning daily progress, task allocation, and direct collaboration with international clients to gather requirements and deliver features on schedule.

Junior Full-Stack Developer — Innovative Software Development, Adipur, Gujarat, India

Apr 2023 – Oct 2023

Tech Stack: PHP (CodeIgniter), jQuery, JavaScript, MySQL, HTML5, CSS3

- Developed and maintained web applications using PHP (CodeIgniter) and jQuery, contributing across both frontend and backend layers of live client projects.
- Assisted with relational database design and query optimisation in MySQL; performed debugging, testing, and troubleshooting alongside senior developers.

PROJECTS — COMPANY WORK (TODOIT)

Digital Invitation Platform — einvite.website

2023

Tech Stack: Python, Django, Django REST Framework, Vue.js (Nuxt 2), PostgreSQL, Razorpay, GitHub Actions, DigitalOcean

- Full-stack SaaS platform with Python / Django as the primary backend, serving 12,000+ users and 50,000+ monthly transactions behind an SEO-optimised server-side-rendered Nuxt.js frontend.
- Built RESTful APIs powering a real-time live-preview editor, secure authentication, an admin dashboard, and Razorpay payment integration with server-side verification; owned CI/CD, DigitalOcean deployment, custom domains, and SSL.

Notiva — Smart Notes Digitisation — notiva.todoitservices.com

2024

Tech Stack: Python, Django REST Framework, React.js, PostgreSQL

- Django REST API backend paired with a React.js frontend; built image upload and processing pipelines converting handwritten notes into searchable digital records, with secure authentication and per-user data isolation.

PROJECTS — PERSONAL BUILDS (DESIGNED, BUILT & DEPLOYED INDEPENDENTLY)

FastenYourWork — AI Interview Assistant — fastenyour.work | interviewer.fastenyour.work

Live

Tech Stack: Python, FastAPI, SQLAlchemy 2.0, SQLite, React.js, TypeScript, Vite, Tailwind CSS, shadcn/ui, Zustand, OpenRouter LLM, Razorpay, Caddy, Gunicorn/Uvicorn, systemd, Linux VPS

- Live, monetised adaptive mock-interview platform — a FastAPI backend where an LLM generates questions, evaluates answers, and scales difficulty through a streak-based mastery state machine, with a React + TypeScript frontend offering resumable sessions and voice input.
- Secured with bcrypt and signed HttpOnly session cookies plus per-user resource isolation, monetised through a token-metered AI credit system with Razorpay and HMAC verification, and deployed on a Linux VPS behind Caddy with systemd-managed Gunicorn/Uvicorn workers.

PolyForge — Multi-Language Programming Learning Platform — polyforge.work

Tech Stack: Python, FastAPI, PostgreSQL, JWT, Nuxt 3, Vue 3, TypeScript, Vue Flow, Tailwind CSS, Monaco Editor, WebAssembly (Pyodide), ELK.js

- Coding-education platform spanning 15+ languages and frameworks with structured challenges, automated tests, progress tracking, and a leaderboard, built on a FastAPI + PostgreSQL backend with JWT auth and a Nuxt 3 / Vue 3 frontend.
- Flagship feature is an in-browser execution visualiser: AST rewriting via Pyodide / WebAssembly instruments code with no backend execution, and a custom graph builder converts the runtime trace into a semantic ExecutionGraph with typed data, call, return and control edges laid out by ELK.js.

Programming World — AI-Powered Developer Knowledge Platform (RAG) — programmingworld.site

Live

Tech Stack: Python, FastAPI, PostgreSQL, pgvector, SQLAlchemy, Alembic, sentence-transformers, Gemini / Claude API, React.js, TypeScript, Tailwind CSS, Docker, Nginx, JWT

- Retrieval-Augmented Generation platform serving 70+ curated topics across Theory, Interview Prep and Practical dimensions, powered by a FastAPI backend with hybrid search combining PostgreSQL full-text search and pgvector semantic similarity over sentence-transformer embeddings.
- Three-dimension LLM generation pipeline (Gemini / Claude) with content validation, prompt-injection guards, JWT auth and an admin publishing workflow; React + TypeScript frontend deployed with Docker behind an Nginx reverse proxy. Conversational AI assistant module in development.

Warehouse Management System

— Academic Project

Tech Stack: PHP, CodeIgniter, MySQL, jQuery, JavaScript, HTML5, CSS3

- End-to-end warehouse management application built as a three-year degree project covering inventory tracking, stock movement, and reporting — foundations in backend programming, frontend development, and relational database integration.

2018 – 2021

EDUCATION

Bachelor of Computer Applications (BCA)

D.N.V. International Academy, Gandhidham, Gujarat, India | CGPA: 7.2

Total Full-Time Education: 15 years (Standard 1–10, Standard 11–12, BCA)

2018 – 2021