GABRIEL IDENYI

FULLSTACK SOFTWARE ENGINEER

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Professional Summary

Experienced Fullstack Software Engineer with 5+ years of expertise in Python, Django, React, and RESTful APIs. Skilled in leading complex migrations, such as rebuilding LMS platforms, integrating third-party systems (LTI 1.2, Zoom SSO), and optimizing payment processes for 10,000+ users. Proven ability to design and deliver scalable web applications across edtech, fintech, etc. Strong team mentor, having guided 5+ engineers and interns, with a track record of driving productivity and improving development processes. Toptal Network member (top 3%).

Skills

Frontend: Javascript, Typescript, React, NextJS, HTML, CSS, TailwindCSS, Bootstrap, PWA
Backend: Django, Flask, PostgreSQL, Redis, Celery, Nginx
Tools: Docker, Linux, Git, Github, Gitlab, Postman

Experience

Fullstack Software Engineer
Uobis
2021 - Present

- Led the full rebuild of a Learning Management System (LMS) from WordPress to a custom Django application, improving performance, scalability, and developer maintainability for over 10,000 users.
- Engineered seamless integrations with third-party tools including WebWork and implemented LTI 1.2 for secure and automated grade passback.
- Developed critical LMS features:
  - Interactive Gradebook with export, visualization, and performance analytics.
  - Zoom Single Sign-On (SSO) and real-time meeting scheduling.
  - End-to-end subscription and payment system integrated with Paystack.
- Mentored 5+ software engineers and interns, improving team onboarding time and accelerating junior developer contributions to production.
- Architected and launched multiple production platforms:
  - POS / Agency Banking System for financial institutions.
  - Collection & Notification Management Platform with templates, targeting, and delivery tracking.
  - Inventory Management System with barcode scanning, audits, and reporting
  - Quiz & Exam Platform with timed assessments and auto-grading.
- Reduced backend latency by 35% through API optimization and asynchronous task queue improvements.

Junior Software Engineer
Uobis
2020 - 2021

- Contributed to early-stage architecture and development of internal tools and web platforms.
- Collaborated on backend APIs and frontend features for various B2B and educational products.
- Assisted in implementing database schemas, API endpoints, user interfaces, and more.
- Built foundational knowledge in fullstack development and agile practices.
- Developed a News Aggregation Platform with real-time scraping and auto-tagging.

Toptal Network Member (Backend Developer)
Toptal
2022 - Present

- Successfully passed the rigorous Toptal screening process, demonstrating a high level of software engineering proficiency and professionalism.
- Accepted into the top 3% of global freelance software engineers.

Freelance Software Engineer
Upwork (Part-time / Contract)

2019 - Present

- Delivered custom web applications for global clients(s) across industries, from MVPs to production tools.
- Managed full project lifecycle including planning, coding, testing, and deployment.

Intern
Atopet Automations limited

2018

- Developed embedded systems and prototypes using C/C++, working with Arduino, Esp32, Blynk, and mbed microcontrollers.
- Built automation solutions such as smart lighting, motion-based devices, and IoT sensors.
- Gained experience with real-time systems, and low-level hardware control.

Projects

Learning Management System Django, RestAPI, Nextjs, PostgreSQL, Nginx, Webwork, LTI 1.2, Zoom API, Paystack

- Rebuilt a legacy WordPress LMS into a custom Django application, improving scalability and maintainability.
- Integrated WebWork and implemented LTI 1.2 for secure grade passback and third-party interoperability.
- Added features such as Gradebooks, Zoom SSO, automated meetings, and subscription/payment processing.

POS / Agency Banking Platform Flask, RestAPI, Nextjs, PostgreSQL, Nginx

- Developed a robust financial system for banking agents, supporting high-volume cash transactions and reconciliations.
- Built modules for transaction logging, agent management, fund transfers, and real-time reporting.

Notification & Collection Management System Django, DRF, RestAPI, Nextjs, PostgreSQL, Nginx, Flutterwave

- Engineered a platform for scheduling and sending user-targeted messages across email, SMS, and in-app channels.
- Included delivery tracking, and retry logic to ensure reliable message flow.

News Aggregation Platform Django, BeautifulSoup, Celery, Redis, PostgreSQL, Python, Spacy

- Created a real-time content aggregator that scrapes and categorizes articles from multiple sources.
- Implemented deduplication, tagging, and filtering logic to surface relevant stories to users daily.

Inventory Management System Django, DRF, RestAPI, React, PostgreSQL

- Designed and built an inventory control system with barcode scanning, dispatch, audit logs, and stock level reporting.

Quiz & Exam Platform Django, JavaScript, PostgreSQL

- Developed a fully featured quiz engine with support for timed exams, and automatic grading.

DRF Authentication Library Django REST Framework, Python

- Created a reusable, modular authentication library supporting token and cookie based authentication.

EDUCATION

Michael Okpara University
Bachelor of Engineering (Computer Engineering)

2014 - 2019

Additional Information

- **Language:** English
- **Interpersonal skills:** Teamwork & Team Player, Critical Thinker, Creative, Good Communication.