

Luca Matei

Full Stack Developer

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Summary

I've been writing software for 13 years and have spent the last year helping startups build their products by creating cost-effective solutions for their complex business needs. Outside of work, I share my thoughts on tech and help others learn to code.

Work Experience

Full Stack Developer
getitAI, Inc.

Oct 2023 - Present
Remote, Contract

Developed and enhanced the knowledge base infrastructure for AI-driven sales agents, involving tasks such as refining database functionalities, improving search algorithms and optimizing storage connections.

Implemented a highly reusable component that enables pagination, full-text search, filtering, and sorting capabilities for dynamically updated tables, enhancing user experience and data accessibility.

Assisted in the onboarding process for new team members and participated in multiple code reviews.

Full Stack Developer
Signed NDA

July 2023 - April 2024
Remote, Contract

Played a key role in both designing and building vital API components, focusing on creating solutions that were both durable and capable of scaling effectively.

Led the complete redesign and implementation of a high-capacity system across multiple servers, optimizing for user-customizable request handling and efficiency.

Managed various DevOps tasks, including setting up CI/CD pipelines, load balancers, and databases, and performed maintenance on both bare-metal servers and VPSes, prioritizing security and high-availability.

Significantly improved API performance by overhauling its architecture, resulting in increased development

speed, stability, scalability, and flexibility.

Developed and integrated a comprehensive credits system for the API, working with third-party subscription managers like Outseta.

Engaged in peer code reviews, providing constructive feedback to enhance code quality and team collaboration.

Projects

I have over 14 repositories filled with websites, games, tools, and more on my Github. Most of these are developed in the courses I teach.

Education

Certifications

Certified Scrum Master by Scrum Alliance

Courses

Backend Developer by Meta (9 courses)

Frontend Developer by Meta (9 courses)

IT Automation with Python by Google (6 courses)

Python for Everybody by University of Michigan (5 courses)

Machine Learning Specialization by IBM (1/6 courses)

Highschool

Colegiul Național „Mihai Viteazul” București

Mathematics and Informatics Profile

Graduated in 2022

Skills

Python

#uwsgi #shopify #langchain
#asyncio #openai #unittest
#httpx #lxml #black

I started coding in Python with the release of version 3.2 in 2011. My work spans scripting, gaming, web development, automation, and more recently, projects involving Large Language Models. I'm also teaching students and juniors to code in Python.

Linux

#debian #openssh #qemu
#nftables #nfs #bind9 #isc-
dhcp-server #dnsmasq #bash

Since getting my first computer, I've used Debian for everything from setting up servers and building networks to managing services and fixing system issues. I host my projects on VPSes that I manage myself.

Backend

#fastapi #postgresql #redis
#celery #dramatiq #supabase
#sqlalchemy #pydantic

I work with ASGI REST APIs daily to support SaaS platforms. In 2020, I developed a framework on a uWSGI server to manage the backend of multiple presentation websites. My code is self-documenting, scalable and consistent within design patterns.

Frontend

#nextjs #react #typescript
#javascript #tailwindcss
#bootstrap #material #sass

I mainly work on backend development, but I'm also good at making user interfaces and connecting them to the backend. In 2020, I built a CSS framework from the ground up to give websites a look similar to what you get with Tailwind CSS.

DevOps

#railway #github-actions
#hetzner #haproxy
#pgbouncer #git #docker
#prometheus #grafana
#sentry #supervisor

I can install and take care of Linux, web, and database servers, along with containers, making sure they handle traffic smoothly. I've also set up systems for continuous integration and delivery, as well as monitoring tools.

Shopify

#custom-app #webhooks
#app-embeds #shopify-cli
#admin-api #open-source

I've built integrations with Shopify involving Custom Apps, App Embeds, LLM tools for cart manipulation, and more. I'm currently writing an open-source Python SDK aimed to be better documented and better structured than the official one.