Paul Fruitful

CONTACT

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SOCIAL

GitHub Profile: https://github.com/paulfruitful

Facebook Profile: https://www.facebook.com/frutful.paul

Twitter Profile: https://twitter.com/Paulfruitful_

LinkedIn profile: https://linkedin.com/in/paulfruitful/

Whatsapp: Send A Message

LANGUAGES

English, and Igbo

SUMMARY

I'm Paul Fruitful, a versatile and result-oriented Software Engineer and tech content creator passionate about turning ideas into products by blending full-stack development, cybersecurity, AI, and technical leadership.
With more than half of my lifetime dedicated to software engineering, I've gained extensive experience across various industries, I've held impactful roles, from backend development and frontend development to digital forensics and AI engineering. Over the years, I've contributed to open-source projects, developed AI-powered tools like Roadmapr and Trendify, and led software teams to success.

Beyond my technical work, I'm dedicated to sharing knowledge with others. Through my blog, YouTube channel, and newsletter, I break down complex topics like programming paradigms, penetration testing, and design patterns, helping new and experienced developers alike.

If you're interested in connecting, you can find me on LinkedIn. For more insights, check out my writing on Hashnode or tutorials on YouTube.

EXPERIENCES

Prime Tech Consult — Web Developer

August 2017 - August 2020

I worked as a full stack web developer at Prime Tech and I was able to:

- Teach Children Of Age 9-12 Scratch, HTML,CSS
- Build Websites For Prime Tech Clients which helped them to improve their business portfolios
- Improve My Knowledge In Backend Development Through Participating In The Company's Projects
- Build scalable APIs using Php
- Solve a problem related to fake drugs using a software my team built

Skills Involved: Frontend Development and Backend Development

Tools Involved: HTML,CSS,SCSS,Javascript,PHP,Scratch and Bootstrap

Whiz Investors Navigator(formerly REIGP) — SEO Specialist -> Web Developer -> Chief Technical Officer

June 2020 - Currently

I worked as a Software Engineer, and currently the Chief of technology at Whiz Investors Navigator.

I started as a SEO Specialist and web designer at REIGPS and I was able to:

- Develop a website for REI GPS
- Manage the search engine optimization of REIGPS which helped them to reach more clients and double their annual profit
- I also protected their web platforms from malicious attacks through Cyber Security practices
- Improve the company's customer reviews on their digital products by 40%

I currently:

- Lead development of super AI powered investment tools for Whiz
- Oversee operations
- Build new infrastructure to manage new systems

Skills Involved: Frontend Development, Search Engine Optimization and Penetration Testing, AI Engineering, Backend Engineering

Tools Involved: HTML,CSS,Javascript,React,js,PHP,Wordpress,Nmap, Google Analytics and Google Search Console, Next.js, Gemini, Twillio

Modern Space Gallery— Shopify Theme Developer|SEO Engineer(Contract**)**

August 2021 - November 2021

I worked as a contract shopify theme developer at Modern Space Gallery, and I was able to:

- Triple the site's traffic and increase its domain ranking using Google search console
- Renovate User Interfaces and improve the overall user experience
- Improve the shop's existing shopify theme by adding some new features using Liquid

Skills Involved: Frontend Development and Search Engine Optimization

Tools Involved: HTML,CSS,Liquid and Javascript,Python,Google Analytics,Google search console and Ahrefs

Frixapp— **Technical Lead(**part-time)

Jan 2023 - Oct 2023

I was working with Frixapp before the unexpected shutdown of the startup, here are some of the things I did while I was a technical lead in Frixapp :

- I coordinated the development teams
- I organized meets and standups calls
- I gave directions, assigned roles and oversaw the pace of development

Skills Involved: Frontend Development and Backend Development

Tools Involved: HTML, CSS, Tailwind, Vue.js, Javascript, Express.js

Vision Incubation Hub —**Web Developer/Coding Instructor(**part-time)

April 2023 - June 2025

I have been working with Vision Incubation(V.I) Hub to raise the next generation of techies and I have been able to do the following:

- Build applications for the Hub's clients
- Organize workshops on digital security and hygiene
- Participate as an instructor in the Hub's bootcamps, where I taught the participants of the bootcamp Python and PHP for Backend Development
- Coached people in choosing the right career paths for themselves.

Skills Involved: Frontend Development and Backend Development

Tools Involved: HTML, CSS, Tailwind, React.js, Javascript,Python, PHP and Laravel

Syticks —**Backend Developer** (Remote)

Mar 2024 - Current

I started working with Syticks for the past four months and here are some of the many things I have achieved:

- Integrate Payment Gateways
- Add new functionalities to existing codebases
- Build user interfaces for the implementation of functionalities the Payment Gateway provides
- Fix bugs using new approaches
- Start building new systems

Skills Involved: Frontend Development and Backend Development

Tools Involved: Blade, CSS, Tailwind, React.js, Javascript,Next.js PHP and Laravel

Headstarter—**Software Engineering Fellow**

July 2024 - September 2024

I was accepted as a Software engineering fellow at Headstarter and this are what I have been able to achieve so far :

- Created and led a team of 3 people to build awesome projects like Trendify
- Work on AI Projects
- Increased my visibility as a software engineer on Linkedin
- I buit Roadmapr and got 400+ users on it
- Participate in weekly sessions with engineers from Google, Y Combinator, Stanford, Amazon and venture-backed startups
- Participated in two hackathons
- I did 6 mock interviews/coding challenges

Skills Involved: Frontend Development, AI Engineering, Prompt Engineering and Backend Development

Tools Involved: Blade, CSS, Tailwind, React.js, Javascript,Next.js, Firebase, MUI, LangChain, Open AI, Google AI Studio, Groq, DeepSearch, DeepGram, Python

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Skills

- ❖ Frontend Development:
  I build awesome UIs with:
  - HTML
  - CSS
  - Tailwind
  - SCSS
  - Livewire
  - Bootstrap
  - Javascript
  - React.js
  - Next.js
  - Vue.js

- ❖ Backend Development:
  I build develop backend powered platforms with:
  - PHP
  - FastAPI
  - SQL
  - Mysql
  - Postgresql
  - Docker
  - Redis
  - Laravel
  - Git

- ❖ Dynamic Programming
  I dynamically program with::
  - Python
  - Javascript

- PHP

❖ Web Automating:

I automate with:

- Python
- Selenium
- Beautiful Soup
- Scrappy
- Playwright
- Puppeteer

❖ Technical Writing:

I write on:

- Programming Paradigms
- AI Engineering
- Machine Learning
- Data Science
- SAAS Development
- Computational Theories
- Best Practices
- Design Patterns
- Emerging Technologies
- Data Structures and Algorithms

❖ Penetration Testing:

I test for vulnerabilities with:

- Kali Linux
- Nmap
- SQLmap
- Metasploit
- Burpsuite
- Wireshark

❖ AI Engineering:

- ❖ LangChain
- ❖ LangGraph
- ❖ Pydantic
- ❖ AI Agents

- AI SDK
- MCP
- A2A
- ACP
- A2P
- Runpod | Hyperbolic | Chutes.ai
- Google AI Studio
- Google Vertex
- Unsloth
- vLLM

- CI/CD Automations With Gitlab

- Cloud Computing:
- Google Cloud
- Docker
- Kubernetes
- Hetzner
- Cloudflare
- AWS

- Search Engine Optimization
- Shopify
- Liquid Templating
- Wordpress

PROJECTS

Free AI Tokens — AI Inference Server
An OpenAI-compatible local server powered by Playwright browser automation to give you free inference from popular LLM platforms like ChatGPT, Gemini, and Claude.
Skills: Playwright, Browser Automation, Node.js

Vibe Chess— AI Agent Extension

an AI-powered chess analysis platform that overlays real-time tactical insights onto live Chess.com games.

I Integrated a remote NNUE-based chess engine with adjustable analysis strength ranging from beginner to super-grandmaster levels.

And I developed interactive frontend experiences and low-latency engine communication systems.

Skills: ML Pipelining, Javascript, Google Cloud Run, CSS

GitArt— Web

GitArt was made to help developers bring style to their GitHub contributions. It allows you to transform your GitHub commits into visually appealing designs and add a personalized touch to your contributions.

Skills: Next.Js. Three.js, React, Tailwind

Refactor_CLI— AI Agent CLI

An AI agent for keeping codebases clean and error free through a command line interface

Skills: Google Gen AI, Python

Quizer— AI

Quizerr is an AI powered quiz master that assists learners to learn faster and memorize topics quicker by tailoring personalized quizzes for them..

Skills: Google Gen AI, Prompt Engineering, Next.js, Tailwind, Firebase

RoadMapr— *AI*

Roadmapr is an AI-powered tool designed to guide individuals on their self-learning journey. It maps out personalized learning paths based on the user's goals, helping them acquire skills and knowledge effectively. Inspired by the Week 4 AI Flashcards Project at The Headstarter Fellowship, Roadmapr combines innovative technology with practical methodologies, making it an essential resource for anyone looking to master new subjects independently. Whether you're a student or a professional, Roadmapr offers a structured approach to self-education, ensuring you stay on track and reach your learning objectives efficiently.

Skills: Google Gen AI, Prompt Engineering, Next.js, Tailwind, Firebase

Sidekick — AI agent| Extension

Sidekick is an AI-powered wingman for every conversation

It lets you never get stuck in a conversation again. SideKick helps you reply smarter, faster, and with confidence.

Sidekick is an AI-powered assistant for closing deals!

It helps users negotiate better and fairer deals during live conversations, whether it's a DMs chat, a freelance offer, or a business contract.

It listens, understands the context, and offers real-time smart suggestions to help you win more with confidence.

Built on Solana, Sidekick securely logs key deal events and agreements on-chain, ensuring trust and traceability for every negotiation

Skills: Gen AI, AI Engineering, Prompt Engineering, Next.js, Tailwind, LangChain, JavaScript, React

Wallet-MCP — MCP Server

A Simple MCP Server For Interacting With Solana Wallets
WalletMCP is a Model Context Protocol (MCP) server implementation for interacting with the Solana blockchain. It exposes developer-friendly tools for working with wallets, transactions, program buffers, logs, and SOL transfers through MCP-compatible interfaces.

Skills: Python, MCP, AI Engineering, Blockchain, Web3.js, Solana

Gemini-Tool-Agent — Python package

Gemini Tool Agent is a Python library that I built to provide a simple interface for creating tool-aware agents powered by Google's Gemini AI models. It enables developers to define custom tools with structured input schemas and seamlessly integrate them into conversational flows.

Skills: Python, MCP, AI Engineering, Wgenric

Trackr— *Web*

Trackr is an AI powered inventory manager, with a smart recipe generation feature.

Skills: Google Gen AI, Prompt Engineering, Next.js, Tailwind, Firebase

Swift Support— *Web*

Swift-Support is an AI Powered Customer Support made to enhance your customer support with intelligent chatbots. Deliver quick, personalized assistance, streamline interactions, and keep your customers satisfied around the clock.

Skills: Google Gen AI, Prompt Engineering, Next.js, MUI, Firebase

Trendify— *Web*

Trendify is an AI-powered content creator designed to help you generate viral content (posts,videos) in seconds. Whether you're a social media influencer, a blogger, a vlogger , or a skit maker Trendify will elevate your content game to the next level in no time

Skills: Open AI, Prompt Engineering, Next.js, Tailwind

Password_Miner— *Shell*

Password_Miner is an experimental project I designed to explore the permutations and combinations involved in brute force algorithms. The project includes tools for generating and cracking passcodes, passwords, and verification codes, demonstrating

the potential to generate every possible code given a specific length. Due to the intensive nature of these algorithms, it's recommended to use a system with a good amount of RAM and a powerful processor.

Skills: Python

Check it Out On Github: https://github.com/paulfruitful/Password_Miner

Idea-Flow— App
IdeaFlow is an innovative app designed to foster a continuous stream of ideas, solutions, and problems within a dynamic pool-like environment. The app aims to inspire and engage users in an endless cycle of creative thinking and problem-solving.

Skills: Blade, Livewire, PHP, Mysql, Laravel, and Tailwind.css

Check it Out On Github: https://github.com/paulfruitful/Idea-Flow

Joblists— *Web App*

This app was created for the purpose of open source with the aim of educating aspiring developers(Laravel) to find development easier.

Though in the app database there are a lot of dummy job listings but I believe that in the nearest future that real jobs would be made available in no time. The second purpose of this app is to create a platform for newbie developers to get internship roles easily.

Check it Out On Github: https://github.com/paulfruitful/joblists

Skills: Blade, PHP, PostgreSql, Mysql, Laravel, and Tailwind.css

Technologies: Heroku, Git and Gitlab

Review-It— *Web App* **(Award Winner)**
A microsass application aimed at bridging the gap between businesses and customers through feedback and reviews of products. The sole aim of this product is to give both the business and the customer maximum satisfaction.

With This App My Team Was Able To Win The Second Place Position In The GDG Aba 2022 Hackathon sponsored by Tecmie.

Skills: Blade, PHP, PostgreSql, Mysql, Laravel, and Tailwind.css

Technologies: Heroku, and Git

Learn More About it On Github: https://github.com/paulfruitful/reviewit

Lib Sys— *An Application(Web)*

It is a simple library management software with the purpose of helping Librarians track their books easily.

It was designated for open source to help aspiring PHP developers to get more expansion on their knowledge and strive to be more creative and innovative

Skills: PHP, Mysql, HTML, CSS and Bootstrap.

Check it Out On Github: https://github.com/paulfruitful/lib-sys

Phone-Loc— *Terminal Based*

This was created to help people track their phones using just their phone numbers. This software was made with Python

Skill: Python

Check it out on Github: https://github.com/paulfruitful/phoneloc

Image-Info— *Executable*

This application was developed to help investigation agencies to collect hidden data(Exif Data) from pictures investigation purposes. It was made with Python and compiled with the py-to-exe package.

Skill: Python

Technologies: Linux and Windows

Check it out on Github: https://github.com/paulfruitful/Exif-Tools

Image-Stripper— *Executable*

This application was developed to remove Exif data from pictures to prevent the illegal access of Exif data. It was made with Python

Skill: Python

Technologies: Linux and Windows

Check it out on my Github: https://github.com/paulfruitful/Exif-Tools

MSVR Gen— *Terminal Based*

A generator based on the Python random module to randomly generate Mastercards, SSN, Visa Cards and Recharge cards.

Skill: Python

Check it Out On Github: https://github.com/paulfruitful/M.V.S.R-Gen

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Outlets

Becoming A Better Developer Newsletter: I write on software engineering and AI engineering concepts on this newsletter and it has over 1k+ monthly subcribers

https://www.linkedin.com/newsletters/becoming-a-better-developer-6973411637542178817

Blog: I write and teach new concepts and guide people on AI engineering

https://medium.com/@fruitful2007

LinkedIn: My LinkedIn is for actively engaging and building the software engineering community through educative and informative posts.

https://www.linkedin.com/in/paulfruitful

YouTube: My YouTube channel is for launching educational series and videos for newbies and experts alike to gain more insight on technical concepts and new technologies through video tutorials.

https://youtube.com/@paulfruitful

Awards

2nd Place In GDG Aba 2022 Hackathon-*Details*

GDG Aba hosted a hackathon in 2022, this hackathon was sponsored by Tecmie and the goal of this hackathon was for the participants to build a microsass solution in two weeks and out of 64 people and 27 teams that participated, my team emerged 2nd place.

Project: ReviewIt

Volunteering

TEDx Speaker – Future Unleashed (Evergreen Schools Youth) – delivered a talk on AI technology, and how it amplifies human potential.

Speaker at Devfest Aba 2022-*Details*

I was a speaker at GDG Aba Devfest 22 and I was able to teach the attendees of the event how they could improve their technical skills and how they could become exceptional in their careers. I held a session titled "**Becoming More Than Average Software Developer**" centering on how one can stand out in the developer marketplace.

Speaker at Island Techies Meetup-*Details*

I held a session titled "**Best Developer Practices**" where I explained common mistakes most developers are making and better ways of developing solutions while maintaining balance between effort and stress.

Find more of my events here