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OVERVIEW

Full-stack developer with 5+ years of experience delivering scalable SaaS platforms, data-driven web apps, and business automation tools. Specialized in Next.js, React, TypeScript, Tailwind CSS, and the MERN stack with hands-on backend and database expertise.

Skilled in Python and, including building interpreters, automation scripts, Bash scripting and AI integration/embedding LLMs (GPT, Gemini, DeepSeek) into web-based applications.

Experienced with Linux, Bash, and system configuration, having built open-source tools for network anonymity and OS optimization.

Self-taught from a science background, passionate about solving problems with clean code, open-source contributions, and future-focused frameworks.

EXPERIENCE & PROJECTS

Combinator X

High-performance combinator engine capable of generating up to 10^6 – 10^7 unique string combinations within a minute.

- Built GUI-based app for Generating Millions of Combinations with accounts, dashboards, and history tracking
- Recursive algorithms + chunk-based I/O streaming for scalability
- Memory-safe buffer management with stream-based zipping
- Hosted on Vercel with caching and optimized server execution

Live URL- <https://combinatorx.vercel.app/>

Cloudlet – Smart Business Management App

Full-Stack Developer | React, Firebase, Tailwind CSS | 2023

- Built an all-in-one platform to automate invoices, sales tracking, investments, and EMI updates.
- Integrated Firebase for authentication and real-time updates.
- Designed reusable UI components with ShadCN and Tailwind for scalability.

Live URL- <https://cloudlet.vercel.app/>

Uplang – A Bytecode Interpreted Programming Language (2026)

Uplang is a programming language developed by me and made with C++. The interpreter of uplang has been written with C++ 20 standards and focused with high performance and less resource heavy programming language. It emits bytecodes during compilation phase (upgen – engine to translate source code into flatten bytecodes) then interprets the bytecodes with upby (uplang bytecode interpreter, stack vm).

- Zero-Copy Token Generation Lexer
- Compiler to reduce runtime overhead and gives more faster runtime execution
- Stack VM based bytecode interpreter. Supports complex algorithms with a flatted architecture.
- Cross-Platform Capabilities because of VM based interpretation. Build once, run anywhere.
- A lot of rooms for micro-optimizations and make it more efficient and faster.
- Unlike python it is way faster in hot loop execution.
- Highly optimized for memory efficiency. Even a 512 mb ram can run complex and millions of loops.
- Easy – to – learn and easy-to-read

FlyJS – Javascript based script interpreter (2026) – Under development

FlyJS is a javascript based custom script interpreter. It is highly useful and relatable if you ever wondered to write or create a custom domain language. DSL that works like a script language for you web apps, web games and web based system. LUA would be the answer, but only if you work with operating system based application not web based cloud application. LUA is not too good to use in cloud based application. Unlike LUA , FlyJS gives you much more than a scripting language. It works as a script language generator. Build a dsl with flyjs and it can run in anywhere. The final codes are pure JavaScript. So seamless integration and zero headache. These js codes will be the dsl interpreter and sits in your server or client side. No installation of a compiler or interpreter, no headache of structured or heavy programming language, no bloats, no unwanted dsl features. Just what you need.

- Faster Interpretation Logics
- Create Custom Domain Specific Language and run with same library
- No runtime installation
- Pure JavaScript output for seamless integration in cloud environment
- Performs well with every ECMAScript standards.
- No unwanted codes in your project.
- Resource Friendly, and highly memory efficient.
- Supports well with TypeScript.
- Easy to learn how it works, and very easy to implement it in your project.
- No need to push entire flyjs library in your project, it will add only the codes you needed.

IDLETOKENIZER API (2024)

Custom API to tokenize and encrypt strings with optional salting and secure decoding.

- Layered Base64-based encoder + randomized tokens
- REST API endpoints for encoding/decoding with JSON responses
- Secure token mapping for predictable but safe decryption

Open-Source UI Framework (in progress)

Architect | React, Tailwind CSS | 2025–Present

- Designing an interactive UI framework where developers craft custom components via a dashboard and export ready-to-use React code.
- Aims to reduce dependency on pre-built UI libraries with fully personalized, license-free component generation.

Nightmare – Linux Anonymity & Security Tool

Creator | Bash, Python, Systemd | 2024

Handcrafted Security Tool to save the privacy on internet. Helps to avoid unwanted trackers, cookies, malicious links, and censorship. Extremely Parrot OS based Tool.

- Developed a modular tool to enhance network anonymity using Tor, custom firewalls, and MAC Address randomization.
- Automated protection against DNS leaks and exit node vulnerabilities.
- Packaged as a .deb installer with CLI commands and versioned updates on GitHub.

Brandlyze (Hackathon Project)

AI-powered generator for professional bios and YouTube metadata.

- Hackathon MVP built with Bolt, Dappier, Lingo
- Generates bios, SEO titles, video descriptions, tags

IDLECODERS – Developer Portfolio Platform

Front-End Developer | Next.js, Firebase, Tailwind | 2022

- Built a dynamic portfolio system with authenticated profiles and personalized data storage.
- Optimized performance and SEO for scalability.

Web Watcher – Website Manager

Full-Stack Developer | MERN | 2025

A website to manage all websites

- Developing a management dashboard to organize, monitor, and authenticate access to multiple websites.
- Features modular structure, MongoDB integration, and session-based authentication.
- Retro-styled Custom UI implementation

Shadow Walker – WiFi Security Tool (Experimental)

Developer | Bash, Python | 2022

- Implemented WiFi monitoring and handshake capture in monitor mode.
- Served as a learning project for Linux networking and packet analysis.

Hackathon Projects (Bolt 2025)

- Brandlyze: AI-powered identity & YouTube metadata generator.
- FitGenie: 7-day workout plan generator with BoltDB and Tavus video API.
- PlanPerfect: Time-blocking schedule planner with Google Calendar export.

SKILLS

Languages & Frameworks:

- JavaScript (ES6+), TypeScript, Python, C++
- React.js, Next.js, Node.js, Express.js

Databases & Cloud:

- MongoDB, PostgreSQL, Firebase, Supabase

Front-End & UI:

HTML Canvas, WebGL for 2d rendering and graphical works.

Tailwind CSS, ShadCN, Material UI, Framer-motion, Parallax Design, Locomotive JS, Responsive Design

AI/ML & Python:

Python scripting, DSL creation (Lexer/Parser/AST), AI model integration (GPT, Gemini, DeepSeek), Automation

System & Tools:

Linux (Parrot OS, Debian, MX Linux), Bash scripting, Network security (Tor, custom firewall, MAC spoofing, DNS testing), Git, GitHub, PNPM, REST APIs

And tech stacks and packages those are related to mentioned fields.

EDUCATION

Self-Taught Developer (2018 – Present)

- Learned full-stack development and system programming through self-study, online resources, and project-based learning.
- Science background (HSC, Physiotherapy) before fully transitioning into software development.

ACTIVITIES & COMMUNITY

- Building Open-Sourced Interactive UI Creation Tools
- Active in open-source development (CLI tools, UI frameworks).
- Participated in hackathons (Bolt 2024) with AI-focused SaaS apps.
- Experimenting with building a Linux Distro focused on performance optimization, STEM centric, Developer Friendly, Hassle-Free system
- Optimizing Debian 13 to use it as a base for my Distro, reduced Debian boot time from 49s to 23s, Integrated preload and smart app management systems.