

Contact

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Top Skills

SQLite

MetaMask

Solidity

Certifications

[Final] Geospatial Applications for
Disaster Risk Management- Phase II

Open Source Software Development
Methods

Learn to Earn Cloud Challenge:
Data

Learn to Earn Cloud Challenge:
Security

AI Aware Badge - AI For All

Vishal Tyagi

Software Engineer at Runo
Hyderabad, Telangana, India

Summary

Most engineers build features. I build the systems that tell you whether those features are working. At Runo, I sit at the intersection of product, data, and infrastructure — owning analytics strategy, defining event taxonomies, and driving engineering decisions through retention metrics. I led the hybrid telephony architecture and spearheaded the Admin Web's Flutter migration. Before Runo, I shipped across the stack: serverless backends, Flutter applications (including an open-source pub.dev package), cloud infrastructure, and automation systems processing 90,000+ records. I've built for government entities, SaaS companies, NGOs, and educational platforms. Global Rank 371, TCS CodeVita Season 11. I'm interested in senior engineering and product-engineering hybrid roles where depth across systems, data, and product creates outsized leverage.

Experience

Runo

Software Developer
June 2025 - Present (1 year)
Hyderabad, Telangana, India

NMOLD (OPC) PRIVATE LIMITED

1 year 2 months

Mobile Application Developer
July 2024 - May 2025 (11 months)
Haryana, India

- Led redevelopment of inventory management system using Flutter (frontend), Express (backend), MongoDB — replacing legacy Python/Laravel stack
- Built image recognition module to identify product categories, reducing manual data entry overhead
- Developed poultry farm remote monitoring system, enabling authorized personnel to oversee operations and environmental metrics from off-site

- Integrated OPC UA client and Node-RED for real-time PLC data streaming in industrial automation context

Internet of Things Engineer

April 2024 - June 2024 (3 months)

Haryana, India

- Worked on Siemens and Delta PLCs, learning to set up and work with simulators, data blocks, OPC server.
- Developed a system for remote monitoring and management of poultry farms, allowing authorized industry professionals to oversee operations from a remote location.
- Gained experience with a range of IoT networks, including OPC UA client, Node-RED, and Cloudflare Tunnel.

Infosys Springboard

Data Science Intern

October 2024 - January 2025 (4 months)

Online

Panipat Institute of Engineering and Technology

2 years 5 months

Full Stack Developer

July 2023 - January 2025 (1 year 7 months)

Panipat, Haryana, India

- Developed and maintained college portals, including a feedback portal and the RISE portal.
- Created the PIET Quest portal with advanced cheating detection features, random question set creation, and order changing based on detected cheating.
- Implemented automation scripts for downloading feedback reports and uploading questions.
- Developed a ticketing system integrated with HDFC Bank for payments and Interakt for the WhatsApp API.
- Built the KBE (Kaun Banega Entrepreneur) web application for quiz competitions.
- Developed a bus route tracking and attendance application.

Volunteer Developer

September 2022 - July 2023 (11 months)

Panipat, Haryana, India

- Began by writing well-organized & complex SQL queries and making minor updates to the existing college portal.

- Later took on more in-depth projects such as developing a gate pass system and other significant projects.

HtK Network

Blockchain & Web Developer

October 2023 - October 2024 (1 year 1 month)

Maharashtra, India

- Developed a blockchain-based NGO platform for transparent donations and payouts
- Created an OCR handwritten answer sheet checker, improving grading efficiency
- Implemented and maintained various static and dynamic websites for different clients
- Set up and managed Plesk portal and different hosting features like SMTP, Private DNS, etc.

Geoms Digital House Pvt. Ltd.

Full Stack Developer

June 2024 - July 2024 (2 months)

Panipat, Haryana, India

- Developed a marathon registration website for the Panipat Marathon 2024, in collaboration with government officials.
- Resolved issues in the inventory portal built with Next.js and MongoDB.
- Provided technical support services for M.J. Home Furnishings' inventory.

Digitaxperts

Full Stack Developer

April 2024 - June 2024 (3 months)

Maharashtra, India

- Assisted in recovering systems and websites from backups.
- Set up hosting, domains, DNS, and email workspaces.
- Managed virtual private servers (VPS) and handled DNS management and backup recovery systems.

PEHLAPANNA

Cloud Operations Engineer

February 2024 - June 2024 (5 months)

Panipat, Haryana, India

Pehlapanna is a rising news website developed to provide timely and relevant information to its readers.

Experience:

- Assisted in managing the hosting infrastructure for the news website
- Contributed to the migration of the website to AWS Lightsail, improving performance and scalability
- Helped optimize the hosting configuration to reduce operational costs
- Collaborated with the development team to ensure smooth operation of the news platform

RGC Engineering Solutions

6 months

Mobile Application Developer

March 2024 - May 2024 (3 months)

Maharashtra, India

- Redesigned the My Dua app for Ramadan, incorporating features for music playback and religious functions in Flutter.
- Assisted with a Flutter-based attendance management project.

Machine Learning Engineer

December 2023 - February 2024 (3 months)

Maharashtra, India

- Created and deployed an NLP chatbot trained on Morningstar's documentation, leveraging AWS Lightsail for scalable deployment and real-time interaction.
- Built an automated script to scrape NGO details from ngodarpan.gov.in, streamlining data collection and improving data accessibility.

INCITE GROUP

DevOps and Automation Developer

January 2024 - April 2024 (4 months)

Gurugram, Haryana, India

- Assisted with onboarding processes for international clients in MNC environments.
- Developed a Python automation script for OMR sheet reading, processing over 90,000 sheets.
- Helped with DevOps practices using tools like Jenkins, Groovy, and Terraform.

Milano Web Agency

System Administrator and DevOps Consultant

December 2022 - February 2024 (1 year 3 months)

Milan, Lombardy, Italy

- Managed Plesk panels, server setups, and system administration across multiple hosting platforms.
- Implemented cybersecurity measures including honeypots.
- Optimized DNS configurations and resolved complex system issues.

NMOLD (OPC) PRIVATE LIMITED

Full Stack Developer

July 2023 - January 2024 (7 months)

Israna, Haryana, India

- Developed an inventory management system using various tech stacks, including Python and Laravel.
- Implemented image recognition and frequent item subset analysis to recommend popular product groups.
- Experimented with client needs to create a robust and efficient system.
- Collaborated on transitioning the system to different tech stacks, enhancing its functionality.

RGC Engineering Solutions

PHP Web Developer

September 2023 - October 2023 (2 months)

Maharashtra, India

- Rexglobal Corp Website: Made updates and changes to the Rexglobal Corp website.
- Online Quiz Portal: Created a final quiz portal for intern certification.
- Error Fixes: Resolved issues on multiple sites, including nuovaelva.it.

PIXOVA STUDIOS

Full-stack Developer

June 2023 - August 2023 (3 months)

Panipat, Haryana, India

- Developed and maintained the property listing website using CodeIgniter 1.4, addressing issues, implementing new features, and testing in a challenging environment due to the outdated framework and lack of proper documentation.
- Worked on the Node.js-based website, focusing on their information portal and official site.

ENTHRAL.IN

Opencart Specialist & Automation Developer

June 2023 - August 2023 (3 months)

Jaipur, Rajasthan, India

- Worked with a Jaipur-based client on their electronic components business, enthal.in, which sells items like CCTV and other electronics.
- Developed an automation tool for the business to scrape product details and pricing from supplier sites, compare them with the client's site, and adjust product listings and prices automatically based on set margins.
- Fixed and improved the client's OpenCart website, enhancing functionality and user experience.

ACHIEVERS (Startup)

Software Developer

March 2023 - May 2023 (3 months)

Panipat, Haryana, India

Achievers is a social media platform designed for students to track achievements and connect with peers in a professional context.

Experience:

- Participated in the development of a social media platform tailored for students
- Learned about systems for recording and showcasing academic and extracurricular achievements
- Gained insight into the implementation of social networking features in a professional context
- Observed the process of creating tools for students to track and visualize their progress

TechMarshal Software Pvt. Ltd.

PHP Web Developer

February 2023 - April 2023 (3 months)

Maharashtra, India

- Worked on fixes and improvements for Techmarshal's official website.
- Provided maintenance and support for the RupayRummy website, developed under the ProfusionCreatives agency.

Digitaxperts

Full Stack Developer

May 2022 - April 2023 (1 year)

Maharashtra, India

- Developed the Stareminence Awards website, which was featured in multiple places.
- Contributed to the Forever Makeup Institute website.

- Created the SFS Insurance website using Laravel.
- Managed hosting, Linux VPS setups, and DNS configurations for various clients.

VISION Foundation

Full Stack Developer

December 2022 - January 2023 (2 months)

Vijayawada, Andhra Pradesh, India

- Developed the EXAM module in Laravel for Vidya Darshini IAS, located in Vijayawada.
- Worked closely with the Vision Foundation to deliver a customized solution tailored to their needs.

Minksha

Frontend Web Developer

October 2022 - November 2022 (2 months)

Maharashtra, India

- ~ Developed the frontend website for Minksha, a startup in the milk delivery sector.
- ~ Collaborated with the tech team to create a user-friendly interface and ensure functionality.

NAUKRICART (Startup)

Software Developer

May 2022 - November 2022 (7 months)

Panipat, Haryana, India

Naukricart is a specialized job portal and equipment marketplace for the construction industry.

Experience:

- ~ Participated in a student-led startup focused on connecting construction companies with operators and machinery providers
- ~ Gained insight into the development of job listing and equipment rental features for a niche industry
- ~ Observed the process of creating a user-friendly platform for the construction sector
- ~ Learned about the challenges of building a two-sided marketplace

CURESURE (Startup)

Software Developer

April 2022 - September 2022 (6 months)

Panipat, Haryana, India

Curesure is a comprehensive hospital management system streamlining patient care and administrative processes.

Experience:

- ~ Contributed to a team working on a hospital management system
- ~ Learned about the complexities of healthcare software, including appointment scheduling and medical record management
- ~ Gained exposure to the importance of data security and privacy in healthcare applications
- ~ Observed the process of collaborating with healthcare professionals to understand industry needs

Emailwish

Junior Software Engineer

August 2021 - August 2021 (1 month)

India

- ~ Contributed to the development of a Shopify email automation app, which includes a Laravel backend, a React frontend, and a React chat widget application.
- ~ Resolved issues, implemented features, and gained valuable experience working in a professional environment.
- ~ Enjoyed a positive and impactful internship experience.

Profusion Creatives LLP

Full Stack Developer

October 2020 - August 2021 (11 months)

Maharashtra, India

- ~ Redesigned Ruparummy.com, transitioning from Python Flask to Laravel
- ~ Managed and later converted Pragnavedant.com from WordPress to Laravel
- ~ Developed Iconictop100.com, an award site for makeup artists
- ~ Built the frontend for Stero, an international music streaming startup.
- ~ Built frontend for Pharma365 startup
- ~ Assisted in company's transition from marketing to web services

EQUALITYMUST STUDIOS

Freelance Developer & Designer

October 2019 - October 2020 (1 year 1 month)

Maharashtra, India

~ Partnered with Avinash Sir, an aspiring entrepreneur from the Air Force Civil Engineering Wing, on various development and design projects.

~ Developed a range of applications, including:

Shorts: A native Android news app inspired by InShorts.

99 Rentals: A platform for rental services.

Classifieds Website: A site similar to OLX for classified ads.

~ Designed logos and contributed to native app development under the "Equality Must Studios" and "Atmanirbhar Bharat Apps" initiatives.

~ Gained extensive experience in application development and design, experimenting with new technologies and approaches.

~ Despite challenges in client acquisition, the collaboration was a significant learning experience, providing valuable insights and opportunities for growth.

Education

Kurukshetra University

Bachelor of Technology - BTech, Information Technology · (August 2021 - September 2025)

Panipat Institute of Engineering and Technology

Bachelor of Technology - BTech, Information Technology · (August 2021 - September 2025)