

Liu Purnomo, S.Kom

Drone Expert | Software Engineer

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Jakarta, Indonesia 10210



Online profile

PROFESSIONAL SUMMARY

Drone expert and software engineer with deep experience in UAV operations, pilot training, and production-grade software development. Certified as a remote pilot and trusted as an instructor, he has trained thousands of drone pilots across Indonesia, combining practical field skill with structured aviation knowledge. His founder, public speaker, and author experience supports the core work through leadership, communication, curriculum design, and practical field insight.

EDUCATION

Universitas Pamulang <i>Master of Informatics Engineering</i>	Tangerang, Indonesia <i>2026 - Present</i>
Hacktiv8 <i>Full Stack JavaScript Immersive Program</i> <i>Score: 97/100, Teacher's Awards Predicate (score > 95)</i>	Jakarta, Indonesia <i>Jan 2023 - Jun 2023</i>
STMIK Antar Bangsa <i>Bachelor of Informatics Engineering (S.Kom.)</i> <i>GPA: 3.44/4.00, Very Satisfactory</i>	Tangerang, Indonesia <i>Sept 2020 - Sept 2024</i>

CORE SKILLS

Languages	JavaScript, TypeScript, PHP, SQL
Frontend & Mobile	React, Next.js, Vue.js, React Native, Tailwind CSS
Backend & Database	Node.js, Prisma, PostgreSQL, Redis, REST API
Tools & DevOps	Git, Docker, AWS, Vercel, CI/CD
Drone Platforms	DJI Multirotor (All Series), Fixed Wing UAV, VTOL UAV
GIS & Mapping Software	Agisoft, ArcGIS, PCI Geomatics, Global Mapper

PROFESSIONAL EXPERIENCE

PT Arta Daya Taruna <i>Jr. IT Manager</i>	Jakarta, Indonesia <i>Jun 2024 - Present</i>
<ul style="list-style-type: none">- Built a Mining Management System (HRIS, Asset, SCM, FMS, Finance) serving 500+ employees, replacing Excel workflows.- Developed web and mobile apps using Next.js, Express.js, PostgreSQL, and React Native with RESTful APIs, RBAC, and real-time sync.	

- Migrated on-premise infrastructure to AWS (EC2, S3, RDS), cutting costs by 20% with CI/CD and zero-downtime deploys.

PT Furindo Sakti Sejahtera

Jakarta, Indonesia

Full Stack Developer (Contract)

Jun 2023 - Jun 2024

- Sole developer of a complete ERP covering inventory, procurement, sales, and accounting, shipped within 12 months.
- Reduced manual data entry by 60% across four departments and eliminated all paper-based approval workflows.

PT. Remote Pilot Indonesia

Jakarta, Indonesia

Director & Founder

Dec 2022 - Present

- Founded and grew a drone pilot training company, building the curriculum, ensuring regulatory compliance, and managing operations.
- Trained 1,000+ pilots through structured certification programs and established the company's national presence.

Indonesian Aerosport Federation (IASI)

Jakarta, Indonesia

Drone Instructor (Part Time)

Jan 2019 - Present

- Built standardized curricula for drone pilot certification covering regulations, airspace rules, and emergency procedures.
- Delivers ongoing instruction for national programs; created digital training materials now adopted at centers nationwide.

CV. Galeri Angkasa Sejahtera

West Kalimantan, Indonesia

Director & Drone Instructor

Jun 2018 - Dec 2021

- Founded a drone services company delivering aerial mapping, surveying, and pilot training; trained 4,000+ pilots in total.
- Secured contracts with government ministries, state-owned enterprises, and private companies across Indonesia.

Perkumpulan Sampan Kalimantan

West Kalimantan, Indonesia

Head of IT & UAV Program Officer

Mar 2013 - Sept 2016

- Operated UAVs for aerial mapping, photogrammetry, and field documentation in support of conservation research.
- Built the organization's digital presence from scratch, growing its online following by 3x in two years.

SELECTED PROJECTS & PLATFORMS

Liupurnomo.com

Tech: Next.js, Node.js, Prisma, PostgreSQL, Cloudflare

Personal website and API server

Tunnel

Full-stack personal site with a macOS-inspired Next.js frontend and a self-built Node.js/Prisma/PostgreSQL API server. Hosted on a repurposed laptop via Cloudflare Tunnel with no VPS and zero hosting cost.

[liupurnomo.com: https://liupurnomo.com](https://liupurnomo.com)

[API Server: https://server.liupurnomo.com](https://server.liupurnomo.com)

Drone Indonesia

Tech: Next.js, PostgreSQL, Prisma, React Native, Midtrans

Community platform for Indonesian drone pilots

Community platform for Indonesian drone pilots built with Next.js, PostgreSQL, and Prisma. Features an LMS, pilot portfolio with availability system, and Midtrans payment gateway. Also available on Google Play.

[drone.co.id: https://drone.co.id](https://drone.co.id)

[Google Play: https://play.google.com/store/apps/details?id=com.remotepilot](https://play.google.com/store/apps/details?id=com.remotepilot)

Blog.drone.co.id

Tech: Hugo

Static blog on drones and UAV operations

Hugo-based static blog covering drones, aviation regulations, and UAV operations in Indonesia. Lightweight and fast, published as a static site with no server-side backend.

[blog.drone.co.id: https://blog.drone.co.id](https://blog.drone.co.id)

Remotepilot.id

Tech: Next.js, Google Sheets API

Company site with auto-generated quotation proposals

Next.js company website for PT. Remote Pilot Indonesia. Training inquiries auto-generate a formatted proposal document powered by Google Sheets as a zero-cost backend.

[remotepilot.id: https://remotepilot.id](https://remotepilot.id)

Djati.net

Tech: Next.js, React Native, Node.js, PostgreSQL, AWS

Enterprise Mining Management System

Enterprise mining operations system covering HRIS, asset management, SCM, fleet, and finance, serving 500+ employees. Includes a React Native HSE mobile app published on Google Play.

[Documentation: https://djati.net/docs](https://djati.net/docs)

[Google Play: https://play.google.com/store/apps/details?id=net.djati.hse](https://play.google.com/store/apps/details?id=net.djati.hse)

NPM Packages

Tech: TypeScript, Node.js

Open Source Projects

A collection of npm packages built and maintained for the developer community, covering Indonesian number formatting, text abbreviation, and Google Sheets CRUD.

[angka-terbilang-ts: https://www.npmjs.com/package/angka-terbilang-ts](https://www.npmjs.com/package/angka-terbilang-ts)

[unique-abbr: https://www.npmjs.com/package/unique-abbr](https://www.npmjs.com/package/unique-abbr)

[indo-format: https://www.npmjs.com/package/indo-format](https://www.npmjs.com/package/indo-format)

[google-sheet-crud: https://www.npmjs.com/package/google-sheet-crud](https://www.npmjs.com/package/google-sheet-crud)

PUBLICATIONS

Drone

CV. Diva Pustaka, 2025

ISBN:[978-634-7600-71-4](https://www.isbn-international.org/product/978-634-7600-71-4)

Purbalingga

Covers the fundamentals of drone technology: history, aerodynamics, flight principles, and control systems.

The Remote PilotISBN:[978-634-7600-76-9](#)

Aviation discipline and airmanship for remote pilots, covering the mindset that separates safe operators from true professionals.

CV. Diva Pustaka, 2026

Purbalingga

Seni dan Filosofi Penerbangan DroneISBN:[978-634-276-215-8](#)

Professional drone operations: regulations, ethics, situational awareness, and in-flight decision-making.

Adab Indonesia Grup, 2026

Indramayu

DIGITAL PRODUCTS

Complete Drone Mapping SOP Bundle[lynk.id](#)*12 ready-to-use operational documents for drone mapping workflows*

Eight technical SOPs plus four business templates: proposal, pricing guide, work order, and survey report. All in editable DOCX format.

Drone Safety & Compliance Kit[lynk.id](#)*HIRA/JSA, IMSAFE, GO/NO-GO, Toolbox Briefing, Near-Miss Report*

Complete safety document pack for drone ops: risk assessment, IMSAFE, GO/NO-GO, toolbox briefing, and incident report. DOCX and PDF formats.

Drone Flight Permit Document Kit[lynk.id](#)*Ready-to-fill templates for official flight permit applications*

All supporting documents for drone flight permit applications in Indonesia, compiled from direct permitting experience. Ready to fill in.

Drone Parts Replacement & Inspection SOP[lynk.id](#)*Practical guide on when and why to replace drone components*

Field-tested guide on when and why to replace drone parts, not just whether it can still fly. Drawn from 13+ years of fieldwork. Editable DOCX.

RPC CBT Exam Question Bank[lynk.id](#)*Remote Pilot Certificate exam prep with 1,239 multiple-choice questions*

1,239 multiple-choice questions covering 12 aeronautical knowledge modules, based on the official SPUKTA manual. Includes answer keys.

CERTIFICATIONS, AWARDS & CREDENTIALS

Professional**Badan Nasional Sertifikasi Profesi (BNSP)**

Jul 2021

*Master Instructor / Trainer*Certificate:[8549.2351.0005814.2021](#)**Indonesia Excellent Education for Excellent Life (IEEEL) Institute**

Mar 2021

*Certified Public Speaking (CPSP)*Certificate:[CPSP-180032021](#)

Dilatih.co <i>Certified Social Media Strategy (CSMSP)</i> Certificate: 3/CSMSP-1/DC/VII/2022	<i>Jul 2022</i>
Drone & Aviation	
DKUPPU, Kementerian Perhubungan RI <i>Remote Pilot Certificate</i> Certificate: Sidopi RPC	<i>Jun 2022</i>
Federal Aviation Administration (FAA) <i>Part 107 Small UAS Initial</i> Certificate: 1288309-20220218-00451	<i>Feb 2022</i>
Federasi Aeroport Indonesia (FAI) <i>Remote Pilot License (RPL) Course</i> Certificate: 05.19.011/RPL/2019	<i>Oct 2019</i>
Federasi Aeroport Indonesia (FAI) <i>Basic Remote Pilot (BRP) Course</i> Certificate: 03.19.032/BRP/2019	<i>Jul 2019</i>
Asosiasi Pilot Drone Indonesia (APDI) <i>Pilot Drone Certificate</i> Certificate: Reg. No. 0090-2018	<i>Jul 2018</i>
PT Byte Geo Solusi <i>Trinity F90+ Aerial Tactical Mapping</i> Certificate: QS.IDN: 015.BGS.020	<i>Aug 2020</i>
Technology	
IBM <i>Build an AI Agent</i> Certificate: c3fe46db-635a-40ae-b34f-2eded382bf74	<i>Apr 2026</i>
Hacktiv8 Indonesia <i>Fullstack JavaScript Immersive</i> Certificate: Teachers Awards Predicate	<i>Jun 2023</i>
Ministry of Communications and Information Technology, RI (KOMINFO) <i>Programming: HTML, CSS, JavaScript</i> Certificate: NO.0447677201-4	<i>2020</i>
Progate <i>Web Development Path (Node.js)</i> Certificate: e895f0bbq9n3wz	<i>May 2020</i>

Hacktiv8 Dec 2022
HTML & CSS Fundamentals
Certificate:[UC-a00f1503-4369-4965-98dc-07e2f9009b98](#)

Speaker & Awards

Ministry of Defense, Republic of Indonesia Jun 2022
Guest Speaker - National Defense Seminar
Certificate:[Credential](#)

Halim Perdanakusuma Air Force Base Aug 2022
Guest Speaker - National Defense Training
Certificate:[Credential](#)

Batu City Regional Disaster Management Agency (BPBD) Mar 2019
Instructor - Drone Technical Training
Certificate:[02.B01.KL.422.204.2019](#)

West Kalimantan Bloggers Community Jul 2016
3rd Place - SEO Blogger Contest
Certificate:[Credential](#)

MTQ, Sekadau Regency Jan 2010
1st Place - Fahm al-Quran Competition
Certificate:[50/PAN.MTQ-SKD/2009](#)

20 RECENT EVENTS & SPEAKING

Kementerian Keuangan - Badan Pengelola Dana Lingkungan Hidup Nov 2025
Hotel Mercure Gatot Subroto, Jakarta Jakarta
Pelatihan dan Sertifikasi Drone Proyek Norway's Contribution for The Implementation of FOLU Net Sink 2030

Badan Gizi Nasional x FASI Nov 2025
Wisma Makara - Universitas Indonesia Depok
Basic Remote Pilot Course 67 FASI x Badan Gizi Nasional

PT. Jasa Marga (Persero) Tbk x Diorama Training Sep 2025
Jasamarga Tollroad Command Center Jakarta
Instruktur dalam Kegiatan Pemetaan Udara menggunakan Drone Multirotor

Kementerian Dikti Saintek x FASI Sep 2025
Online Zoom Meeting Jakarta
Narasumber Dalam Kegiatan Pembekalan Junior Remote Pilot Training 1-2025 Untuk Kontes Robot Terbang

BPA Institute x Diorama Training Sep 2025
Online Zoom Meeting Jakarta
Instructor of Basic ArcGIS Geographic Information System (GIS) Training for Architecture

Kementerian Keuangan - Badan Pengelola Dana Lingkungan Hidup <i>Wisma Aldiron, Jakarta</i> Instruktur Training Drones For Surveying	<i>Jul 2025</i> <i>Jakarta</i>
Diorama Training x PT. Perkebunan Nusantara I Regional 2 <i>Hotel Amaris La Codefien Kemang, Jakarta Selatan</i> Instruktur Training Drone Pemetaan dan Arcgis	<i>Apr 2025</i> <i>Jakarta</i>
Kementerian Komunikasi dan Digital <i>Hotel Mercure Harmoni, Jakarta Pusat</i> Instruktur Training Sinematografi Drone Professional	<i>Dec 2024</i> <i>Jakarta Pusat</i>
Haktiv8 Indonesia <i>Kampus Haktiv8 Pondok Indah</i> Narasumber Kegiatan Fox Talks 2024	<i>Dec 2024</i> <i>Jakarta Selatan</i>
Politeknik Elektronika Negeri Surabaya <i>Politeknik Elektronika Negeri Surabaya</i> Instruktur Pelatihan Drone Untuk Pemetaan	<i>Aug 2024</i> <i>Surabaya</i>
Balai Wilayah Sungai Kalimantan III, Kementerian PUPR <i>Balai Wilayah Sungai Kalimantan III</i> Instruktur Peningkatan Kapasitas Petugas dalam Pengoperasian Alat Drone RTK dan Pengolahan Data Topografi	<i>Mar 2024</i> <i>Banjarmasin</i>
Dinas Perhubungan DKI Jakarta <i>Dinas Perhubungan DKI Jakarta</i> Instruktur dalam Training Drone Untuk Unit Pengelola Sistem Pengendalian Lalu Lintas	<i>Dec 2022</i> <i>Jakarta</i>
Badan Pengelola Dana Lingkungan Hidup <i>Hotel Mercure Sabang</i> Instruktur dalam Bimbingan Teknis Pemanfaatan Drone untuk Monitoring dan Evaluasi Lahan	<i>Dec 2022</i> <i>Jakarta</i>
Taman Nasional Ujung Kulon bekerjasama dengan Institut Pertanian Bogor <i>Taman Nasional Ujung Kulon</i> Instruktur dalam Pelatihan Pemanfaatan Drone Thermal, Multispektral dan LiDAR	<i>Dec 2022</i> <i>Taman Jaya</i>
Kementerian Lingkungan Hidup dan Kehutanan - Ditjen Pengelolaan Hutan Lestari <i>Hotel Grand Tjokro, Bandung</i> Instruktur dalam Bimbingan Teknis dan Monitoring dan Evaluasi FOLU NET SINK 2030	<i>Nov 2022</i> <i>Bandung</i>
Penyelenggara Santri Fair <i>Mall Balekota</i> Narasumber dalam kegiatan Santri Fair 2022	<i>Oct 2022</i> <i>Tangerang</i>
Federasi Aerosport Indonesia (FASI) <i>Federasi Aerosport Indonesia</i> Instruktur dalam Sertifikasi Basic Remote Pilot BRP-57 Pekanbaru	<i>Oct 2022</i> <i>Pekanbaru</i>

HMPWK Institut Teknologi Indonesia

Online Zoom Meeting

Narasumber dalam Webinar Drone dengan tema Pengenalan Drone untuk Pemetaan

Oct 2022

Jakarta

PT. Perkebunan Nusantara IV

PT. Perkebunan Nusantara IV

Instruktur untuk Pelatihan Pemetaan dan Sertifikasi Remote Pilot

Jul 2022

Pabatu

Kementerian Pertahanan

Balai Pendidikan dan Pelatihan Kementerian Pertahanan

Narasumber dalam Seminar Bela Negara Perkembangan Teknologi Pesawat Udara Tanpa Awak

Jun 2022

Jakarta