

# Satrya Budi Pratama

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## INTRODUCTION

- A dedicated and adaptable Software Engineer with 5 years of experience in software development, including proficiency in Python and Ruby. Eager to leverage a strong foundation in building robust applications and problem-solving. Proven ability to learn quickly, work independently, and deliver high-impact solutions. Keen to apply technical expertise in a global support environment, working effectively in AU, SG, or US-friendly hours and collaborating within a dynamic team.

## EDUCATION

- **Bandung Institue of Technology** Bandung, Indonesia  
• *Master of Eng. - Control Eng. & Intelligent System; GPA: 3.43 out of 4.00* January 2020 - December 2022  
*Supervised by Prof. Bambang Riyanto Trilaksono on Autonomous Drone Development for Exploration and Surveillance with Hybrid Communication under the Robotics Research Laboratory.*
- **Telkom University** Bandung, Indonesia  
• *Bachelor of Computer Science - Informatics; GPA: 3.87 Cum Laude out of 4.00* August 2015 - August 2019  
*Supervised by Dr. Bayu Erfianto on Quadcopter Attitude Control System using Hand Gesture Tracking.*  
*Awardees of Best Innovation on Technology Development KRTI 2018, APICTA 2018 Indonesia Delegation, Best Design on Internet of Things Telkom University Competition, 2<sup>nd</sup> winner on Internet of Things Challenge Competition Electrical Engineering Days ITB 2018, 3<sup>rd</sup> Winner Fixed Wing on KRTI 2017, and 3<sup>rd</sup> Winner Balloon Atmosphere on KOMURINDO-KOMBAT 2017.*

## EXPERIENCE

- **InterOpera** Remote  
• *Product Engineer (Full-time)* Aug 2025 - Now
  - Developed Nexus web platform that provides software as a service to business clients. It has some products such as Sales Management and Monitoring (SMM), Risk & Planning Management and Monitoring (RPMM), Asset Management and Monitoring (AMM), and AI Employee Agents on a single platform.
  - **Skills:** Python, Next.js, JavaScript, PostgreSQL, AWS, LangGraph, RAG.
- **Influx** Remote  
• *Software Engineer (Full-time)* May 2023 - Aug 2025
  - Developed ChatFlux and Influx Copilot — an AI chat bot assistant using LLMs and RAG to improve employee productivity. Increasing internal employee productivity and helping the customer service agent understand the knowledge of the client's product.
  - Revamped Influx Assistant — an chrome extension that monitors agent helpdesk session and geolocation. 80% reduction in client and network traffic, increase user experience, and reduce agent attendance problem.
  - Developed Hubspot Deal to Client Integration in People App — fully automates client creation, saving approximately 1 hour per sales deal and enabling the sales team to focus on higher-value activities
  - Improved query performance and avoid N+1 on some pages in People App. Resulting in a faster load page 23 times faster.
  - **Skills:** Ruby on Rails, PostgreSQL, Vue.js, Javascript, LLMs, RAG.
- **Ihsan Solusi Informatika** Remote  
• *IT Business Analyst and Quality Assurance (Part-time)* January 2022 - August 2022
  - Analysed and communicated the technical requirement and specification from Aladin team to our developers.
  - Tested, validated, and review the completed features
  - Developed Git automation script using Bash and Cronjob to synchronize different repository.
  - **Skills:** Bash, Python, Git, Cronjob
- **Sirkel Kreasi Nusantara** Remote  
• *Backend Developer (Full-time)* March 2021 - January 2022
  - Developed a RESTful API backend service using FastAPI and PostgreSQL
  - Initiated project architecture layer, singleton asynchronous HTTP request, database scheme, database migration using Alembic, and Google cloud storage.
  - Handling deployment support and monitoring using GCP (Google Cloud Platform) and K8s (Kubernetes).
  - Managed IAM (Identity Access Management) service using Keycloak and API Gateway using KrakenD.
  - **Skills:** Python, FastAPI, PostgreSQL, GCP, K8S
- **ZeroInside** Remote  
• *Product Developer (Side Hustles & Seasonal Gigs)* May 2015 - Present
  - Body Movement Analytics Desktop App — Built desktop app using C# with Kinect sensor. Analyse the distance of the body skeleton per elapsed time for sleep monitoring.
  - Learning Management System Website - Built learning management system website using Ruby on Rails.
  - **Skills:** C#, Ruby on Rails.

## HONORS AND AWARDS

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- Finalist on National IT Network System Administration (LKS SMK) <sup>1</sup> - June 2015, Jakarta.
- First Winner on North Sumatera IT Network System Administration (LKS SMK) - April 2015, Medan.
- First Winner on Medan IT Network System Administration (LKS SMK), - October 2014, Medan.
- Third Winner on North Sumatera IT Network System Administrator (LKS SMK)), - March 2013, Medan.
- First Winner on North Sumatera IT Network System Administrator (LKS SMK)), - March 2012, Medan.

## VOLUNTEER EXPERIENCE

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|---|-----------------------|
| • <b>AIESEC - International Leadership Development</b>                                  | Petchaburi, Thailand  |
| • <i>Contributed in Sawasdee 33 Project by teaching local students english and math</i> | June 2019 - July 2019 |
| • <b>Machine Learning Lecturer's Assistant</b>  | Bandung, Indonesia    |
| • <i>Graded weekly programming task IF39-05, IF39-12, and IF39-INT.</i>                 | Feb 2018 - May 2018   |
| • <b>Aeromodelling Payload Telemetry Research Group Assistant</b>                       | Bandung, Indonesia    |
| • <i>Conducted a research about drone, payload, and telemetry</i>                       | Oct 2015 - Present    |

## CERTIFICATION AND TRAINING

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- **English**
- **TOEFL ITP (533)** issued by *ETS* in December 2019
- **English Proficiency Test (527)** issued by *Telkom University Language Center* in September 2024
- **Academic**
- **Potential Test (512)** issued by *BAPPENAS* in December 2019
- **Finalist in IoT Development Competitiin Technocorner 2019** issued by *Gadjah Mada University* in March 2019
- **Best Innovation of Technology Development in KRTI 2018** issued by *Kemenristekdikti* in November 2018
- **Participant of Technology Development in KRTI 2018** issued by *Kemenristekdikti* in November 2018
- **Exhibitors of Artrial Fibrillation Detector Prototype based on Photoplethysmograph for Stroke Prevention 2018** issued by *Kemenristekdikti* in October 2018
- **Poksay APTRG as Best Design on Telkom University IoT Competition 2018** issued by *Telkom University* in September 2018
- **Poksay APTRG as Finalist on Telkom University IoT Competition 2018** issued by *Telkom University* in September 2018
- **Student Participant on International Collaborative Research of Hanbat National University and Telkom University 2018** issued by *Telkom University* in July 2018
- **Finalist on IoT Challenge Competition ITB 2018** issued by *Bandung Insititute of Technology* in May 2018
- **Instructor on Laboratory Training and Education 2018** issued by *Telkom University* in March 2018
- **3<sup>rd</sup> Winner of Fixed Wing on KRTI 2017** issued by *Kemenristekdikti* in October 2017
- **Finalist of Fixed Wing on KRTI 2017** issued by *Kemenristekdikti* in October 2017
- **3<sup>rd</sup> Winner of KOMBAT on KOMURINDO-KOMBAT 2017** issued by *LAPAN* in September 2017
- **Finalist on KOMURINDO-KOMBAT 2017** issued by *LAPAN* in September 2017
- **Workshop Participant on KOMBAT 2017** issued by *LAPAN* in July 2017
- **Finalist of Aeromodeling on Mechanical and Marine Engineering National Exposition 2016** issued by *Univesity of Indonesia* in November 2016
- **Instructor on Pemuda Informatika Mengajar 2016** issued by *Telkom University* in October 2016
- **Professionals :**
- **Pemrograman Go-lang : Pemula sampai Mahir** issued by *Udemy* in March 2023
- **Go (Basic)** issued by *HackerRank* in March 2023
- **PHP Object Oriented Programming** issued by *Udemy* in March 2023
- **Rest API (Intermediate)** issued by *HackerRank* in February 2023
- **Data Analysis with Python** issued by *freeCodeCamp* in February 2021
- **Introduction to Git and GitHub** issued by *Coursera* in February 2021
- **Deep Learning Fundamentals** issued by *Cognitive Class* in October 2020
- **Industrial IoT Markets and Security** issued by *Coursera* in September 2020
- **Introduction to Cloud** issued by *Cognitive Class* in September 2020
- **Introduction to the Internet of Things and Embedded Systems** issued by *Coursera* in August 2020
- **Technical Support Fundamentals** issued by *Coursera* in August 2020
- **Programming for Everybody (Getting Started with Python)** issued by *Coursera* in July 2020
- **How to Make a Website with NameCheap Course** issued by *CodeAcademy* in October 2016
- **CCNA (Cisco Certified Network Associate)** issued by *Cisco* in October 2014

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<sup>1</sup>Challanges in IT Network System Administration are configured a Linux server and Windows client-server Network Architecture that implement iptables firewall, VPN, DNS-server, samba-server, DHCP-server, web-server, mail-server, proxy-server, and FTP server.