

# Hasbi Hassadiqin

AI & Data Specialist

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LinkedIn

Portfolio

Jakarta

## Summary

AI & data specialist with 2+ years of experience building production-scale AI systems that drive measurable business outcomes. Experienced in RAG technology, document processing automation, and conversational AI with proven track record of delivering 88% cost reductions and 98% accuracy rates. Expert in full-stack development with modern AI/ML technologies, Google Cloud Platform, and system architecture design. Successfully led cross-functional teams and delivered end-to-end AI solutions from concept to production.

## Technical Skills

### Programming Languages

Python, JavaScript, SQL

### Cloud & DevOps

Google Cloud Platform, Cloud Functions, Cloud Storage, Vertex AI, Docker, CI/CD

### AI/ML & Automations Technologies

OpenAI, LangChain, RAG, Document AI, Computer Vision, Vector Databases, PyTorch, SVM, KNN, Pytorch, N8N

### Frontend Development

Next.js, React, Tailwind CSS, Arctic Auth, Prisma ORM.

### Backend Development

Django, FastAPI, RESTful APIs, Serverless Architecture, PostgreSQL, Redis

### Data Tools

Airflow, Bigquery, Looker, Power BI, Tableau, Spreadsheet, Microsoft Excel, Jupyter Notebook, Pandas, Numpy

## Experiences

### AI & Data Specialist

November, 2023 - Present

Youvit (Indonesia's Leading Gummy Vitamin Brand)

Led end-to-end AI engineering and data infrastructure initiatives, delivering production-grade automation solutions that achieved 99.98% efficiency improvements and 5.5M IDR monthly cost savings:

#### CORE INFRASTRUCTURE & DATA ENGINEERING

- Architected and maintained production data orchestration using Apache Airflow, managing ETL pipelines for sales, inventory, and customer data across 5+ data sources
- Built enterprise data warehouse on BigQuery, processing 100K+ daily records with optimized SQL queries reducing query costs by 40%
- Developed executive dashboards in Looker Studio integrating Shopify, Google Ads, and internal databases for real-time business intelligence across marketing, sales, and operations teams
- Deployed and managed production services on GCP: Cloud Run applications, Vertex AI model endpoints, Document AI processors, and Cloud Functions for serverless automation

#### AI AUTOMATION PROJECTS

##### Nutritalk WhatsApp AI Assistant | RAG-Powered Customer Service

- Built production conversational AI serving 10-15 daily customer inquiries with 98% accuracy using multi-category vector database retrieval (Qdrant)
- Reduced customer service response time from 4-5 hours to 4 seconds (99.98% improvement)
- Delivered 60% time savings for nutritionist team while maintaining \$8.50/month operational costs
- Tech Stack: Qdrant, WAHA API, n8n

##### PO Tracker Document AI Automation | Intelligent Document Processing

- Engineered serverless OCR pipeline processing 100+ purchase orders monthly across 7+ distributor formats
- Reduced processing costs by 88% compared to manual operations (5.5M IDR monthly savings) with 92% faster processing speed
- Maintained 92% accuracy rate with automated validation and error handling workflows
- Architecture: Gmail API → Cloud Functions → Document AI → BigQuery → Looker Studio analytics
- Tech Stack: Python, GCP Document AI, Cloud Functions, BigQuery, Pub/Sub,

##### Smart Call Plan Generator | Geospatial Route Optimization System

- Engineered automated route planning system replacing manual 4-hour area manager workflows with 1-click, 3-minute solution
- Built National Store Database from scratch, integrating store productivity metrics, geospatial coordinates, and area segmentation
- Implemented multi-constraint optimization algorithm selecting high-performing stores and calculating optimal visit routes
- Increased field team efficiency by 86%: from 7.7 to 14.3 average store visits per day with 1.4km average inter-store distance
- Tech Stack: Python, Google Maps API, Opt-2

**AI & Data Analytics Instructor (Freelance)**

January, 2023 – Present

RevoU (Indonesia's Leading Tech Bootcamp)

Led comprehensive AI and automation training programs, mentoring professionals and students across multiple specialized curricula:

- **Gen AI Full Program** - Designed and delivered 4-week intensive curriculum to 12 students covering advanced AI implementation
- Taught Prompt Engineering, GPT for data analysis, RAG chatbot development, and Computer Vision with Google Document AI
- Guided students through end-to-end projects: building RAG-powered chatbots using LLMs and Streamlit deployment
- Delivered automation workshops covering n8n, workflow optimization, and GCP OCR implementation with Cloud Functions
- **RevoU X Telkomsel AI Training** - Mentored 5 enterprise teams implementing AI solutions for real business challenges
- Taught Microsoft Copilot integration for data analytics and automated reporting systems
- Developed curriculum for FullStack Data Analytics program focusing on AI-powered data visualization and chatbot development

**Consumer Insight (Internship)**

August, 2023 - November, 2023

Youvit (Indonesia's Leading Gummy Vitamin Brand)

- Led the efficacy test for Youvit Biotin for Men, analyzing data and providing insights that directly informed product improvements and guided market launch strategies.
- Developed and automated data collection systems, significantly speeding up research processes and improving the efficiency of consumer testing.
- Monitored user feedback and hair growth results, presenting findings to the Product Development team to enhance product effectiveness.

**Data Analyst Associate - Freelance**

January, 2023 - May, 2023

RevoU (Indonesia's Leading Tech Bootcamp)

- Led award-winning data forecasting project as Project Manager, improving sales accuracy by 5%
- Designed and implemented strategic dashboards for KPI management across business units
- Applied advanced data analysis using Python, Excel, and Tableau to optimize marketing ROI

**Education**

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**Full Stack Developer Bootcamp**

January, 2025 - March, 2025

Devscale Indonesia

Graduated with Excellent Predicate | Final Project: TheraMind AI Mental Wellness Platform

- Intensive 24-session program (3x/week, 7-10 PM) mastering Next.js 15, React, AI integration, and full-stack development
- Led team of 4 developing production-ready AI mental wellness app deployed within 2-week timeframe
- Achieved 191/193 points (2nd highest among 40 students) with fully functional app receiving positive user testimonials
- Curriculum: Advanced React Hooks, Authentication (OAuth/Arctic), AI integration (OpenAI, Replicate), AWS S3, Prisma ORM
- **TheraMind** - AI Mental Wellness Platform
- Led development of full-stack mental wellness application with AI-powered mood tracking
- Architected complex multi-page form state management using React Context API
- Integrated OpenAI API with dynamic system prompts adjusting responses based on user emotional state
- Implemented secure authentication, mobile-first responsive design, and PostgreSQL data persistence

**Bachelor of Engineering - Computer Engineering**

July, 2018 - December, 2023

Universitas Brawijaya

Thesis: Developed a YOLOv5s-based computer vision system on Raspberry Pi for classifying plastic waste, achieving 90.5% accuracy across six types. Implemented a PyTorch deep learning model trained on 6,000 images and integrated hardware components. The system demonstrated practical AI application in sustainability with a 6.594-second average inference time.

**Full Stack Data Analytics Program**

July, 2018 - December, 2023

Revou

- Mastered data gathering and manipulation using Spreadsheet, SQL, and Python
- Developed skills in data visualization and insight interpretation with Tableau and Google Data Studio
- Applied full-stack data analytics techniques to real-world problems
- Enhanced proficiency in end-to-end data analysis workflows