

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

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