

Cristoper Anderson

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Education

Bina Nusantara University

Computer Science, Software Engineering. GPA: 3.55

West Jakarta, DKI Jakarta

September 2020 - July 2024

Experience

Bina Nusantara University - Software Laboratory Center

Junior Laboratory Assistant

West Jakarta, DKI Jakarta

September 2021 - September 2022

- Taught multiple courses, including but not limited to, Web Programming, Data Structures and Algorithms, and Database Systems.
- Created cases for practicum exams, assignments, and projects.
- Participated in 5 separate self development programs in multiple subjects, such as Game Programming, Full Stack Web Programming, Desktop Application Development, Network, and Mobile Application Development.
- Awarded best teaching subject qualification.

Bina Nusantara University - Software Laboratory Center

Database Administrator

West Jakarta, DKI Jakarta

September 2022 - September 2024

- Maintained a MSSQL database server's jobs and data.
- Maintained and built internal web applications, using .NET Framework, Typescript, NextJS, and NestJS for internal business processes, and worked on feature requests for the web applications.
- Automated labor-intensive business processes using puppeteer.js.
- Worked on feature requests and data requests from external divisions.

Bina Nusantara University - Enrichment Program

Junior Researcher / Software Engineer

West Jakarta, DKI Jakarta

February 2023 - February 2024

- Maintained and improved 4 public-facing web applications built using VueJS, NextJS, ReactJS, and Laravel.
- Built an emotionally aware chatbot using Langchain, Tensorflow, OpenAI API, FastAPI, ReactJS, RabbitMQ, and Python, separated each handler in the backend into microservices, and served the application using PM2 and Nginx.
- Wrote 3 research papers and published the papers into conferences.

Medichoice

AI Developer

Hong Kong SAR

April 2024 - August 2024

- Developed and implemented LLM-powered conversational AI Agents using Python, FastAPI, OpenAI, Mistral, Langchain, ChromaDB, and CrewAI.
- Integrated AI chat agents with WhatsApp Webhooks, deployed using GCP and Docker.
- Employed Pandas for creating data cleaning pipelines.
- Performed web scraping with BeautifulSoup and entity extraction using Langchain.

Projects

ask-document

NextJS, NextAuth, Prisma, Langchain, Supabase, pgvector

- A RAG (Retrieval Augmented Generation) app which you can use to ask questions to a user uploaded document.

affective-input-framework

ReactJS, Python, RabbitMQ, Langchain, Keras, Tensorflow, BERT

- A simple chatbot application which takes multiple inputs from a user (this includes speech, and facial expressions), infers emotions from it, and generates dialogue from those inputs.

Skills & Interests

Technical Skills/Programming Languages: Python, Go, JavaScript, TypeScript, PHP, SQL, Database Administration

Frameworks and Technologies: NextJS, ReactJS, NestJS, Langchain, Large Language Models, Docker, RabbitMQ, Laravel

Language: Indonesian (Native proficiency), English (Working proficiency)

Certifications

- Cloud Practitioner Essentials - Dicoding
- Basic Machine Learning - Dicoding
- DevOps Basics - Dicoding
- Back-End Programming Basics - Dicoding
- Working with Microservices in Go (Golang) - Udemy