

# CYNTHIA CANGAN

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## Core Focus

- **Full-Stack Development:** React.js, Next.js, FastAPI, Django
- **AI Integration:** LangChain, LangGraph, OpenAI API, Hugging Face Transformers
- **Programming Languages:** Python, JavaScript, TypeScript
- **Database Systems:** PostgreSQL, MySQL, MongoDB
- **Frontend Engineering:** Responsive UI/UX Design, Component Architecture, API Integration
- **Styling Frameworks:** Tailwind CSS, Material UI, Sass/SCSS, Shadcn/UI
- **State Management:** Redux, Context API
- **Version Control & Collaboration:** Git, GitHub, GitLab
- **Testing & Quality:** Jest, Postman (API Testing)
- **Deployment & Cloud:** Docker, Vercel, Render, AWS
- **Development Workflow:** Agile Methodology, Rapid Prototyping

## EXPERIENCE

### AI Automation Engineer / Full-Stack Developer

NeuroStack Technologies (Remote) | Jan 2023 – Present

- Designed and implemented **AI-powered agents and workflows** using **LangChain**, **OpenAI GPTs**, **CrewAI**, and **Zapier** to automate content creation, data retrieval, and internal task management.
- Built **custom GPTs** for marketing copy, code review, and internal documentation automation—integrated into Slack and Notion.
- Developed and deployed **AI-driven web applications** combining **LangChain**, **LangGraph**, and **FastAPI** backends with **Next.js** frontends for real-time interaction.
- Automated project management flows with **ClickUp** and **Asana APIs**, enabling task updates and summaries based on prompt triggers and email parsing.
- Created modular frontend dashboards using **React**, **Next.js**, and **Tailwind CSS**, integrated with real-time AI responses and analytics.

- Engineered backend pipelines for **vector embeddings, document retrieval, and conversational memory**, ensuring context-aware responses.
- Managed CI/CD pipelines with **GitHub Actions** and containerized deployments using **Docker, Vercel, and Render**.
- Evaluated and documented over **30+ AI tools and plugins**, maintaining an internal “AI Stack Playbook” for workflow optimization.

## Full-Stack Developer

Tech Solutions Hub, Remote | May 2021 – Dec 2022

- Designed and maintained **RESTful APIs** and microservices powering analytics dashboards and AI data feeds.
- Integrated **FastAPI** and **Next.js** to build full-stack applications supporting both server-side rendering and API-driven data flows.
- Integrated **PostgreSQL, MongoDB**, and caching layers (Redis) for high-performance data operations.
- Collaborated with frontend teams to expose AI-based endpoints for sentiment analysis and trend extraction.
- Implemented background job automation with **Celery** and **FastAPI BackgroundTasks** for data processing.
- Wrote **PyTest** unit tests and deployed services on **AWS** and **DigitalOcean** environments.
- Improved application scalability and reliability through containerization and cloud-based load balancing strategies.

## Frontend Developer

Freelance & Open-Source Contributions | Jun 2019 – Apr 2021

- Built and contributed to **AI-driven dashboards** and analytics tools with **Next.js** and **Chart.js**.
- Collaborated on open-source AI tools for visualizing embeddings and fine-tuning progress.
- Focused on **UX-centered prompt design** and **interface responsiveness** to improve GPT usability.
- Optimized front-end performance using lazy loading, code-splitting, and server-side rendering.

## Software Engineering Intern (Python / Web Development)

Innovatech Labs, Lagos | Jun 2017 – May 2019

- Assisted in developing **internal automation tools** using **Python (Flask)** for data collection and report generation.
- Participated in sprint planning, debugging, and version control workflows with **Git**.
- Created small-scale **web automation scripts** for lead scraping and document preprocessing.

## EDUCATION AND CERTIFICATION

University of the Philippines Diliman - Bachelor's in Computer Science