

# ALVINCENT F. SANGCO

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## PROFESSIONAL SUMMARY

Backend-focused Full Stack Developer with 1+ year of production experience building and scaling web applications with AI-driven features. Proven ability to design REST APIs, integrate large language models, process media pipelines (video/audio), and deploy cloud-ready systems. Strong focus on performance optimization, clean architecture, and real-world problem solving in startup environments.

## TECHNICAL SKILLS

**Frontend:** React, Vite, TailwindCSS, Tanstack Query, Zustand, Zod  
**Language:** JavaScript, Typescript  
**Backend:** Node.js, Express.js, REST API, Socket.io  
**Database:** MongoDB, Mongoose  
**Cloud & DevOps:** Render, Vercel, Google Cloud Storage, Cloudinary  
**AI Integration:** Anthropic API, Gemini API  
**Tools:** Git, Github, Postman, AI Agents

## PROFESSIONAL EXPERIENCE

### Backend Developer (Full Stack – Backend-Focused)

HR-Hatch Tech | 2024 – Present (1 Year)

- Developed and maintained production-grade MERN applications supporting AI-driven hiring and evaluation workflows.
- Designed and implemented RESTful APIs for video processing, AI evaluation, authentication, and real-time features.
- Built end-to-end pipelines for audio extraction, transcription, and AI-based analysis.
- Integrated third-party services including Claude AI, Google Cloud Storage, and Speech-to-Text APIs.
- Optimized backend logic and async processing to reduce latency in AI evaluation requests and improve system responsiveness.
- Collaborated with frontend developers and product stakeholders to deliver scalable, maintainable features.

## PROJECT EXPERIENCE

### Snappcheck - AI-Powered Reference Check Automation System | Back End | 2024 – 2025

Tech Stack: React, Node.js, Express, MongoDB, Anthropic API, Google Services, Redis

- Designed backend architecture and data models to support automated reference checking workflows.
- Built APIs for managing candidates, reference requests, and AI-generated evaluations.
- Integrated AI services and Google APIs to automate data processing and analysis.
- Optimized database queries and background jobs for performance and reliability.
- Deployed and tuned the system for production use.

### TORS - Criminology Reviewer System | Back End | 2025

Tech Stack: React, Node.js, Express, MongoDB, Cloudinary,

- Built backend structure, schemas, and core APIs for a digital reviewer platform.
- Implemented secure media handling and integration with Cloudinary.
- Connected frontend features with backend services and deployed the application.

### Prepwise - AI-Powered Mock Interview Simulator (Capstone Project) | Full Stack | 2025

Tech Stack: React, Node.js, Express, MongoDB, Anthropic API, Google Services, Redis

- Architected the full-stack system for an AI-powered mock interview platform.
- Implemented browser-based video recording, audio transcription, and AI-driven feedback generation.
- Built scalable backend services to handle media uploads, processing, and evaluation.

## EDUCATION

### Bachelor of Science in Information Technology (BSIT)

Northern Mindanao Colleges Inc. | Graduating: 2025