Christian Gabriel A. Bayquen

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Skills

Languages:	Golang, Java, Python, Javascript/Typescript, SQL
Technologies:	Google Cloud Platform, PostgreSQL, PLSQL, Supabase, AWS, Git, Docker, SvelteKit
Soft Skills:	Communication, Adaptability, Collaboration, Leadership, Quick-learning

Experience

Angkas | Makati City (Remote)   May 2024 – Present
Software Engineer
- Build and maintain scalable backend systems for Angkas, the leading transportation platform in the Philippines, using Golang, Kubernetes, Kafka, Redis, and PostgreSQL to support thousands of trips created per minute.
- Collaborate on designing and deploying microservices and event-driven architectures, ensuring high availability and reliability for Angkas' services.
- Enhance internal tools and processes to improve developer experience, streamline workflows, and boost team productivity.

Oracle (Philippines) Corporation | Makati City (Hybrid)   June 2023 – May 2024
Associate Applications Engineer
- Developed and maintained an enterprise product lifecycle management application, effectively addressing customer concerns and improving system stability.
- Utilized a tech stack encompassing Java EE, Fusion Middleware, Oracle PLSQL, and related technologies to address and resolve customer issues.

Trend Micro | Pasig City (Remote)   June 2022 – August 2022
Software Developer Intern
- Improved an internal data visualization application by deploying the latest version of Apache Superset while maintaining all their existing user and visualization data.
- Improved the infrastructure in which the application is deployed by updating their AWS CloudFormation templates and by helping with the migration of their CICD pipeline from CircleCI to GitHub Actions.

SubicBayNews | Olongapo City   May 2019 - June 2019
WordPress Developer Part-time
- Successfully migrated subicbaynews.com to WordPress 5.2, migrating its database and implementing essential plug-ins for enhanced functionality and user engagement.

Research Work

Detection and Categorization of Hateful Speech in Social Media by Fine Tuning BERT Model for Multitask Classification (2022)
- Accepted into Computing Conference 2023 London, UK and was up for publication in Springer series "LectureNotes in Networks and Systems."
- Challenges conventional approaches by introducing a hierarchical and multitask architecture for a single BERT model in the task of text classification.

A Zero-Shot Approach to Upsampling Single Channel Speech Separation Using a Diffusion Model (2023)
- Developed a novel model for addressing the cocktail party problem, achieving commendable results with a smaller training dataset than the state-of-the-art SepFormer model.
- The study demonstrates the effectiveness of integrating a diffusion upscaling model for post-processing, showcasing the potential for practical applications in real-time audio separation in production environments.

Extracting Topics and Sentiments from Baguio City Social Media Using BERTopic and Vader Lexicon-based Sentiment Analysis (2023)
- Accepted for presentation at the International Conference in IT Education (ICITE2023)
- Developed an innovative approach to analyze social media data related to Baguio City, employing BERTopic for topic modeling and a customized VADER sentiment analysis with dual-language support.

Education

Saint Louis University (2019 – 2023)   Baguio City, Benguet
Bachelor of Science in Computer Science
- Consistent Dean's lister and graduated with great distinction (*Magna cum laude*)