Christian Gabriel A. Bayquen

cbayquen.com | cgabayquen@gmail.com | github.com/chrisgabs | in/christian-bayquen

Skills

Languages:	Golang, Python, Javascript/Typescript, SQL
Technologies:	Google Cloud Platform, PostgreSQL, Redis, Kubernetes, AWS, Docker, Git

Experience

Angkas | Makati City (Remote)   May 2024 – Present
Software Engineer
- Built and maintained core backend systems that power Angkas' trip management, pricing, and matchmaking, directly supporting the company's core business while enhancing feature flexibility, system observability, and operational scalability.
- Developed microservices and event-driven architectures while participating in system design discussions, conducting code reviews, and performing performance tuning to maintain clean, efficient, and resilient backend services.
- Improved developer experience by enhancing internal tooling, streamlining CI/CD workflows, and automating processes to accelerate delivery and reduce operational overhead.

Oracle (Philippines) Corporation | Makati City (Hybrid)   June 2023 – May 2024
Associate Applications Engineer
- Maintained and improved a business-critical enterprise Product Lifecycle Management (PLM) application used by the largest businesses in the world, ensuring system stability and performance using Java EE within a complex enterprise environment.
- Resolved high-priority customer-reported issues by identifying root causes and implementing robust fixes while communicating technical progress and resolution timelines directly with customers.

Trend Micro | Pasig City (Remote)   June 2022 – August 2022
Cloud Engineer Intern
- Upgraded an internal data visualization platform by deploying the latest version of Apache Superset, preserving all existing user accounts and dashboards to ensure continuity and usability.
- Enhanced cloud infrastructure using Infrastructure as Code with AWS CloudFormation, and supported CI/CD pipeline migration from CircleCI to GitHub Actions to improve automation and maintainability.

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
- Graduated Magna Cum Laude; Dean's Lister throughout all semesters