

ALVIN IKAICA LAI

alvinikaika@gmail.com • [linkedin.com/in/alvinikaika](https://www.linkedin.com/in/alvinikaika)

Skills & Technologies

- SQL Server, PostgreSQL, MongoDB, Neo4j
- Tableau Cloud, AWS, Snowflake
- SQL, Python, PowerShell, JavaScript, HTML/CSS
- Apache Airflow, Microsoft Orchestrator
- MuleSoft, Informatica, Kafka
- SQL Server Reporting, Analysis, & Integration Services
- Confluence, Jira, Microsoft 365
- Git, GitHub, Bitbucket

Experience

SOFTWARE DEVELOPER ENGINEER | Hawaiian Airlines | Honolulu, HI | March 2021 - Present

- Gather and analyze requirements by communicating with business analysts and engineers to align development with organizational priorities.
- Lead documentation of systems and troubleshooting procedures to improve resource management and focus on business objectives.
- Perform root cause analysis on data ingestion pipelines and establish improvement plans to enhance performance and availability.
- Provide knowledge transfers and guidance to internal engineering teams in a collaborative effort to modernize legacy systems.
- Maintain high volume messaging queues in MuleSoft to ensure the delivery of cleansed data through SQL Server and various data platforms.
- Compartmentalize, diagnose, and resolve production issues involving Apache Airflow, Microsoft Orchestrator, Informatica, Tableau Cloud, MuleSoft, and SQL Server.

OFFICE CLERK & ASSISTANT | Hawk Contracting Group | Honolulu, HI | Jun 2019 - Aug 2019

- Implemented scripts to extract data from a 3D spatial logger using PowerShell and the sensor API.

Projects

AUDIO SYNTHESIS WEB APPLICATION | Aug 2020 - Dec 2020

Worked in a team of 4 to develop a web application which enabled beginner/intermediate music producers to explore fundamental sound design concepts.

- Constructed a web client for audio synthesis using Node.js, React, and open source libraries.
- Created reactive GUI components that dynamically update synthesizer output.
- Built and styled a webpage with a virtual keyboard synthesizer using Bootstrap and HTML/CSS.
- Contributed to requirements gathering, system design, documentation, and demonstrations.

DATABASE COURSE PROJECTS | Aug 2020 - Dec 2020

Gained hands-on experience with popular database technologies.

- Developed ETL scripts, aggregate analysis queries, and DAL programs that implement CRUD interfaces for PostgreSQL, MongoDB, and Neo4j.
- Performance tuned queries by using profilers to identify inefficiencies.
- Built client applications that used the DAL to retrieve and display metrics to the user.

Education

LOYOLA MARYMOUNT UNIVERSITY | Los Angeles, CA | Dec 2020

B.S. in Computer Science, GPA 3.50