

William Galindo

Software Engineering

An ambitious student in Computer Science with a focus on software engineering. Proficient in modern programming languages such as Java, Python, and JavaScript, and adept at using front-end and back-end frameworks. Experienced in designing and maintaining software applications, participating in code reviews, and developing automated tests to ensure software quality. Strong understanding of software design patterns, data structures, and algorithms. Adept at working independently or as part of a team, demonstrating excellent problem-solving skills, attention to detail, and strong communication skills.

PROJECTS

Performance Data Analysis in Serverless Computing (2023)

- Assisted in the design and implementation of robust architectures using cloud servers, ensuring they met both scalability and performance requirements
- Participated in executing performance benchmark tests, contributing to the establishment of standards and indicators for measuring the effectiveness and efficiency of serverless computing systems.

Inventory Data Management Web Application (2022)

- Designed and implemented a robust web application using PHP, jQuery, and AJAX, featuring a RESTful API, cursor-based pagination, and a comprehensive MySQL schema for efficient inventory data management.
- Contributed to seamless data accessibility by creating API documentation and enhancing the system's organization and query performance.

Datastream MySQL to BigQuery (2022)

- Managed data streaming from MySQL to BigQuery using Google Cloud services, setting up a MySQL Cloud SQL instance, a Google Cloud Storage (GCS) bucket for replication, and importing necessary data.
- Orchestrated data streaming by creating two Datastream connection profiles, initiating a Datastream stream for data replication, and setting up Pub/Sub topics, subscriptions, and GCS Pub/Sub notification policies.

Image2Speech Web App(2022)

- Developed 'Image2Speech', a user-friendly web application enabling users to upload images and convert text within them into speech mp3 files.
- Utilized a wide range of Google Cloud services, including Cloud Functions, Cloud Build, Pub/Sub, Artifact Registry, Eventarc, Cloud Run, Cloud Logging, Cloud Storage, Cloud Translation API, and Cloud Vision, to build and optimize the application.
- Leveraged the power of Google Cloud to enhance the functionality and performance of 'Image2Speech', providing a seamless user experience.

WORK EXPERIENCE

galindos28@outlook.com

(619)-715-4122

San Antonio, TX

[LinkedIn](#)

[Twitter](#)

[Github](#)

[My Website](#)

SKILLS

- Protocols: gRPC, GNMI
- AWS (EC2, RDS, VPC, IAM, CloudFormation)
- CI/CD Management (GitLab, GitHub Actions)
- Linux/Unix System Administration
- Programming Languages: Java, Python, JavaScript, PHP, C/C++,Golang
- Front-end Frameworks: React, Angular, Vue.js
- Back-end Frameworks: Spring, Django, Node.js
- Databases: MySQL, PostgreSQL, MongoDB
- Storage Administration (EBS, S3, EFS)
- Load Balancers (ELB), CDN (CloudFront)
- Containerization (Kubernetes, Docker)
- AssemblyAndroid Mobile App Dev
- Other: Software Design Patterns, Data Structures, Algorithms

EDUCATION

PhD Student in Computer Science

University of Texas at San Antonio

2023 - current

San Antonio,TX

University of Texas at San Antonio

Teaching/Research Assistant

San Antonio, TX | 2023 - current

- Leveraging serverless computing technologies to optimize performance and scalability, contributing to the understanding of best practices and innovative strategies in cloud engineering.
- Conducting advanced research on performance data analysis in serverless computing environments. This includes designing robust architectures using cloud servers, implementing monitoring tools for performance metrics, and executing benchmark tests to evaluate system performance.
- Using gRPC protocol with Prometheus and Thanos components, gaining hands-on experience with socket programming.

FrogTutoring.com

Computer Science Tutor

2021 - current

- Facilitated and Mentored Computer Science students from various grade levels virtually and in person using both hands on and lecture-based approaches.
- Underwent bi-weekly calibration and discussion with parents and teachers to improve Client's performance

United States Marine Corps

Aviation Ordnance Technician

San Diego, CA | 2008 - 2017

- Performed Armament System checks, worked with Microsoft Excel to keep accountability of assets
- Performed maintenance and repair on armament equipment and loading of aviation ordnance on multi- million-dollar aircraft. Worked on Armament Systems, Managed Teams to Support operations in theatre and abroad

Bachelor of Science

Computer Science

University of Texas at San Antonio

2020 - Dec 2022

San Antonio, TX

GPA: 3.4

Awards

- Deans List 2018

Associates of Science

Computer Science

Palo Alto College

2017 - 2019

San Antonio, TX

GPA: 3.7