

Gustavo Gamboa

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SUMMARY

Versatile Software Engineer with extensive experience in full-stack development, application analysis, and system implementation. Proficient in ASP.NET/Spring, Angular/React, C#/Java/Typescript, and relational database management. Skilled in developing responsive front-end interfaces using CSS and Bootstrap. Capable of architecting serverless solutions from requirements to production release and maintenance using AWS, DigitalOcean, Azure, GCP. Demonstrated expertise in improving business processes through technology and supporting customers with tailored solutions.

EDUCATION

University of Miami, Coral Gables, FL

December 2022

Bachelor of Science Computer Science

TECHNICAL SKILLS

C# | Java | Typescript | PHP | JavaScript | Python | Angular | React | Unix | HTML | CSS | Bootstrap | Android
Oracle SQL | MS SQL | MySQL | Selenium | .NET | Spring | JUnit | CI/CD | Azure | AWS

EXPERIENCE

The College Board

May 2024 - present

Full Stack Software Engineer

- Contributed to the Cross Program Microservices team, maintaining and enhancing AWS serverless architectures for data-driven applications.
- Commanded GitHub Actions migration using self-hosted runners, becoming a reference point for other teams.
- Assisted in AWS SDK migration from v2 to v3, ensuring compatibility and performance improvements across all maintained assets.
- Upgraded AWS architectures to sync DynamoDB with RDS for maintaining legacy systems with relevant information.
- Developed Amazon Batch Jobs using Docker for large-scale data processing.
- Integrated AWS messaging services like SNS, SQS, and Hyperloop Messages for reliable event-driven workflows.
- Maintained and optimized databases using RDS, Aurora, and DynamoDB, ensuring high availability and performance.
- Managed microservices handling sensitive student and organization data, ensuring security, scalability, and compliance with internal policies.
- Mitigated CloudGuard alerts for security items in cloud infrastructure, enhancing compliance.
- Enhanced development efficiency using AWS SAM for local Lambda testing, ensuring deployment reliability.
- Implemented Sumo Logic logging for S3 buckets at object level, and access level ensuring robust log management and security monitoring.

ASM Global, Kansas City, MO

May 2023 - April 2024

IT Support Specialist

- Maintained box suite ticket scanners and AWS connectivity.
- Managed servers for secure cloud communication.
- Provisioned physical data lines and wireless access points.
- Provided troubleshooting support for Office365, SharePoint, and Active Directory.
- Managed internet access provisioning with Cisco serial terminals.
- Provided IT support during live broadcasting events like Big 10 basketball and NCAA wrestling.

LP Realty Group, Miami, FL

December 2019 - March 2021

System Administrator/Web Developer

- Managed system administration and technical support operations.
- Developed a landing page with Bootstrap, modern JavaScript, and SEO techniques, increasing leads by 20%.
- Managed Google Business profile and CRM integration.
- Provided IT support and training for new realtors, developed personalized landing pages, and set up CRM automation.

University of Miami IT, Coral Gables, FL

February 2019 - November 2019

Student Developer

- Handpicked into a new role by the Head of IT due to the remarkable initiative displayed within the previous position as Technical assistant.
- Design, Implement and Test queue management system for Student Technology Help desk.
- Integrate Student Data API with application to streamline sign-up efficiency.
- Evaluate possible future improvements such as SMS/Automated call reminders of upcoming appointments for clients.
- Rewrote a self-developed queue management system in PHP and Angular to meet the University's production standards, porting the application from a Python back-end to internal libraries and integrating it with MySQL.

PROJECTS SNAPSHOT

- Soudlinks App: Android application in Java with Spring Boot backend that facilitates sharing music by using Selenium to scrape relevant music platform data and presenting it in an easily shareable way.
- Wordle Multiplayer: Created a real-time online Wordle game with live multiplayer functionality, utilizing React, Heroku for the node.js backend, and socket.io for seamless communication and a timer-based gameplay experience.
- Queue Management System: Queue management system for University of Miami students. Developed with Django, Python, and MySQL. HTML, CSS, and Vanilla JavaScript. Re-engineered for production with a fully responsive front-end in Angular, CSS, Bootstrap, and PHP.
- Volcano Image Detection: Collaborated on a machine learning project, leveraging Python notebooks to train a Convolutional Neural Network (CNN) for volcano classification and object detection, accurately identifying the status of Popocateptl, including activity, gas, and ash occurrences.

LANGUAGES English (Fluent) / Spanish (Native)