

Joey Quismorio

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Education

Texas A&M University *Bachelor of Science in Computer Science*

Expected December 2023

Relevant Coursework: Computer Systems, Data Structures and Algorithms, Design and Analysis of Algorithms, Machine Learning, Programming Studio

Experience

Cloud Engineer Intern *Amazon Web Services*

June - August 2022

- ◇ Collaborated with cross-functional teams of **20+ members** to implement cloud architecture and security best practices, fostering a **culture of innovation and continuous improvement** within the organization.
- ◇ Assisted in diagnosing and resolving 20+ complex case problems with full-time engineers, achieving customer satisfaction ratings **averaging at 4.8/5 stars**.
- ◇ Designed and implemented scalable, cost-effective AWS infrastructure for 5 client projects using **EC2, VPC, RDS, Route 53, CloudFormation, and S3**, resulting in a **30% enhancement in performance** and a **25% reduction in operational costs**.
- ◇ Optimized data storage and retrieval for clients by configuring and managing Amazon S3 buckets, enabling **35% more efficient data access** and **reducing storage costs by 20%**.

Projects

KANM Student Radio *Next.js, EC2, Docker, MySQL*

January 2022 - present

- ◇ Designed and developed a student radio organization website with live audio streaming and a headless content management system supported by **Sanity**, which receives up to **25,000 monthly visits**.
- ◇ Led front-end development and rebranding team, producing varying-fidelity wireframes and building their counterparts with **Next.js** with styling supplemented by **Tailwind**.
- ◇ Containerized a **MySQL database** using **Docker** and **AWS EC2** for storing radio show details, as well as sensitive administrative data such as show schedules and member information.
- ◇ Created a secure user registration and authentication platform by building protected routes using **NextAuth.js**, supporting a user base of nearly **300 users**.

Bitjockey *React, Golang*

August 2022 - present

- ◇ Developed a **Golang-based** distributed music streaming server, where users can create playlists, play music, and view listening history statistics, which supports an organization of almost **300 users** and receives over **75,000 requests a week**.
- ◇ Built a “fuzzy” music search engine that **accounts for user spelling errors**, in addition to an **editable music queue** and **media player** that displays the current playing song, volume options, and allows for scrubbing.
- ◇ Prototyped a prospective user interface using **Figma** to provide stakeholders with an MVP.
- ◇ Conducted user studies to streamline feedback, which **improved communication** and allowed for **faster iterations**.
- ◇ Migrated the database, which contained **600GB of music**, to a local physical server, resulting in reduced hosting costs from **\$100 per month to \$0**.

Point-of-Sale System *React, Express, RDS, PostgreSQL*

October 2021

- ◇ Created a full-stack web app for a point-of-sale system, with capabilities for **online ordering, employee/manager access, and tracking business metrics**.
- ◇ Spearheaded a team of developers in the design and front-end functionality of the website, and helped create custom back-end architecture to query a **PostgreSQL database** hosted on **Amazon RDS**.
- ◇ Integrated **Google OAuth, Translate, and Maps APIs** to deliver a secure, informative, and accessible experience.

Skills

Languages

C/C++, Java, Python, JavaScript, TypeScript, Node.js, HTML, CSS/Sass, SQL, Bash, R, Go

Frameworks & Libraries

React, Docker, Gatsby, Next.js, Express, Vue, Flask, P5.js, NextAuth, Prisma, Bootstrap, Tailwind

Tools

VS Code, Git, T3, Render, Amplify, Webpack, EC2, Vercel, Figma, Sketch UI, Strapi, WordPress, Sanity, MongoDB, Postgres, Photoshop, Illustrator, InDesign, XD, Jira, Office Suite, Agile, SCRUM