

Contact Information

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GitHub: <https://github.com/SaltyQuetzals>

Education

Coursework: Human-Computer Interaction, NLP, Analysis of Algorithms, Data Structures

Work Experience

Created customer-facing, real-time notification system for Google Voice enterprise customers.

Integrated system into multiple teams' codebases to provide instantaneous data consistency.

Developing real-time collaborative web app that implements writing, sketching, chat, and live streaming video.

Built developer-friendly clusters for running multi-container architecture locally, simplifying development process.

Created automated document classification pipeline, speeding up document review process by 50%.

Integrated new pipeline into application designed to manage company-wide resilience tests.

Overhauled existing interface based on stakeholder feedback and included new pipeline output.

Created full-stack web application to index automated test suite for engineers to search through.

Application performed cosine similarity queries on user queries to provide ranked results.

Released completed application to 100+ developers and improved test creation time by 40%.

Projects

Created full-stack registration system in Django with 800+ users.

Constructed GitOps CI/CD pipeline, reducing deployment time by over 90%.

Deployed Kubernetes cluster to Google Cloud Platform for high resiliency and uptime.

Created first public, open-data API for processing Texas A&M course data.

Designed responsive scheduling application for students to plan their upcoming schedule.

Implemented a constraint satisfaction solver to generate optimal schedules for students.

Activities

Awards

Received award presented to the top 5,000 Hispanic students out of 250,000 who take the PSAT for outstanding academic achievements.

Skills

Languages: Python, TypeScript/JavaScript, HTML/CSS, Java, C++, Rust, Go, C

Tools: Git, Linux, BASH, WebSockets, Node.js, Docker, Kubernetes, Protobufs, TravisCI