

JONATHAN ETIZ

Software Engineer

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github.com/jonetiz

EDUCATION

San José State University / San José, CA
Data Science, B.S.

Expected May 2025

Columbia College / Sonora, CA
Computer Programming, A.S. - Graduated with Honors

*April 2023
3.69 GPA*

EXPERIENCE

Ridgeline IT Solutions / Sonora, CA
DevOps Engineer

May 2023 - Present

- Developed applications that automate auditing and system management of 50+ businesses
 - Built and maintained 2 tailored BI dashboards for internal analytics and client monitoring
 - Spearheaded 4 large-scale migrations of 20+ client systems
 - Conducted regular vulnerability assessments of 300+ devices and networks
 - Deployed and configured networking infrastructure for clients with 50+ devices
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PROJECTS

Simple Digital Arcade Management / Python, Flask, and JavaScript

- Full-stack web and hardware solution to manage in-house digital currency for arcades
- Selected a basis of 3 hardware components for physical RFID signature scanning
- Engineered firmware that interacts with backend API to authenticate payments
- Developed a pipeline for rapid automated update deployment without interrupting business

Python Breakpoints / C++, Python, and Win32 API

- The 1st library that enables modifying CPU registers with the simplicity of Python
- Sets breakpoints on running Windows processes that call back to Python functions, allowing manipulation of registers
- Bound C++ functionality to Python via pybind11
- Used to develop a program that randomizes video game elements in runtime

HaloRuns.com / C# and TypeScript (Vue.js)

- Collaborated on a team of 3 to build a speedrun leaderboard with a peak of 3,000+ users
 - Developed API integrations and interactions from 5 third-party services
 - Built core user profile features including profile editing and activity tracking
 - Utilizes Azure App Service, Blob Storage, and CDN for scalability
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SKILLS

Python, C#, C++, Java, JavaScript, PHP, x86, Laravel, Flask, Django, Git, HTML, CSS
