Casey Franceschy

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Experience

Irvine Unified School District
Analyst I Programmer (Part-Time)

July 2024 - Present
Irvine

- Designed and implemented a centralized username generation system for 10,000+ employees and students, integrating database storage and streamlining user creation processes.
- Developed a scalable Minimal API using .NET 8, featuring modular endpoints to support future team enhancements.
- Modernized database migration processes by implementing a code-first approach with Entity Framework, replacing legacy SQL and bash scripts.
- Automated deployment processes by creating an Azure DevOps pipeline for building, publishing, and deploying APIs on IIS.

Irvine Unified School District
Technical Specialist III

May 2023 - Present
Irvine

- Ranked in the top 5% of support staff based on Zendesk metrics, achieving 100% customer satisfaction while maintaining 30% faster response and resolution times compared to team average.
- Provided advanced technical support for district-wide IT infrastructure, troubleshooting hardware and software issues across 50+ schools and administrative offices.
- Implemented and maintained technology solutions for educational environments, ensuring seamless operation of critical classroom and administrative systems.

Apple
QA Identity Services

January 2022 - July 2022
Remote

- Managed a significant workload of over 9000+ tickets during a 6-month internship, showcasing exceptional organizational and multitasking abilities.
- Enhanced team efficiency by refining internal repository documentation, benefiting both the team and new interns in streamlining triage processes.
- Optimized automated log-parsing scripts, reducing bug triage time by 50% and enabling faster resolution of critical issues.
- Collaborated with development teams to route tickets to the appropriate teams, resulting in more efficient resolution of issues.

Education

California State University, Fullerton
Computer Science

December 2022
Bachelor of Science

Projects

MockBot Discord Bot
Cloud, Python, Docker, Azure

March 2025

🔗 https://discord.com/oauth2/authorize?client_id=1344027081021067274

- Designed and implemented a Discord bot using Python and py-cord library that features slash commands for message mocking functionality, demonstrating practical application of Discord API integration.
- Containerized the application using Docker to create consistent deployment environments, enabling seamless transition from development to production.
- Strategically selected Azure Container Instances for cloud deployment, minimizing operational costs while maintaining reliability for this lightweight application.

AWS analytics with Cloudwatch
Cloud, Lambda, Web Scrapping, Python

August 2022

- Created a zero-cost custom analytics solution that extracted meaningful insights from website content and database text that standard CloudWatch metrics couldn't capture.
- Developed Python-based Lambda functions using regex pattern matching to process content and generate keyword frequency metrics, enabling the team to track content trends and user engagement patterns.
- Automated data collection on a scheduled basis, transforming qualitative website data into quantitative metrics displayed on CloudWatch dashboards, providing actionable business intelligence without additional monitoring tools.
- Delivered the complete solution on time and under budget while leading a cross-functional implementation team.

Technical Skills

Languages & Frameworks: C#, Python, SQL, .NET 8, Entity Framework • Cloud & DevOps: Azure DevOps, AWS, Docker, CI/CD • Tools & Platforms: Zendesk, Asana, IIS • Database: SQL Server, migrations, design