

Internship at Centene Summer 2023 - St. Louis, MO **Evan Marlo Anderson**

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Company Description

Projects

Technologies

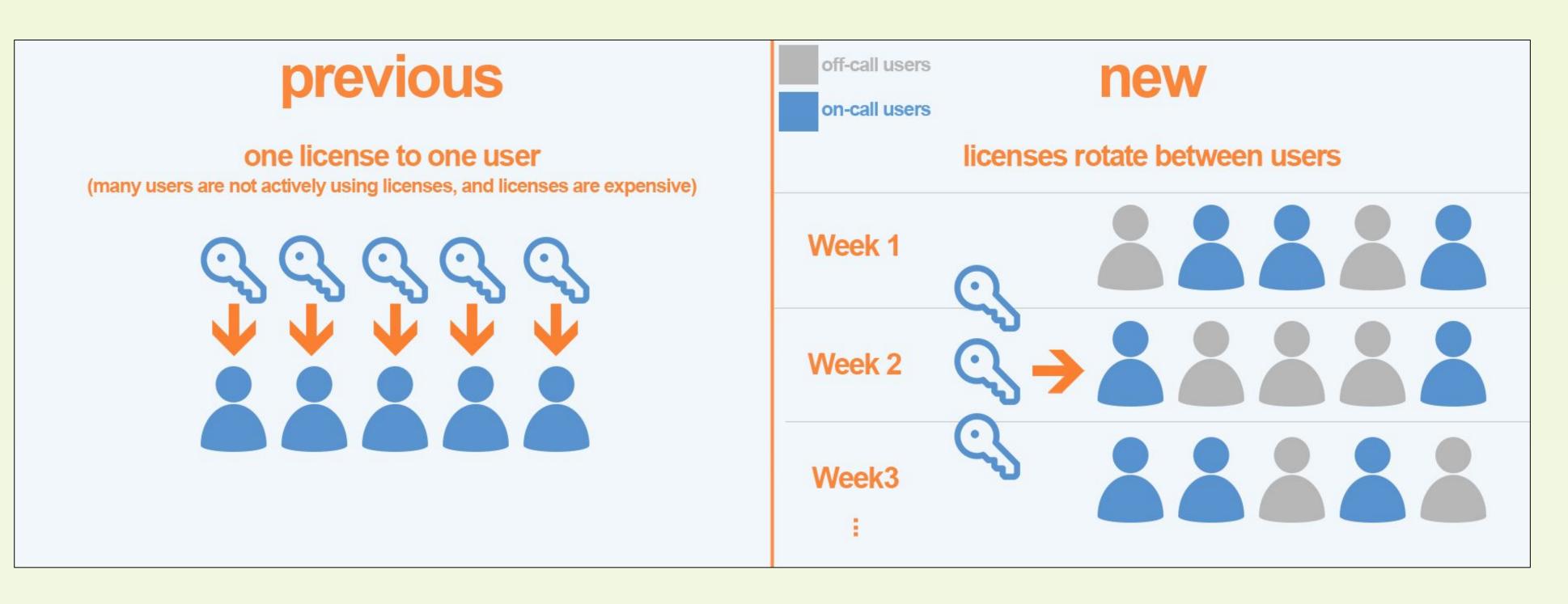


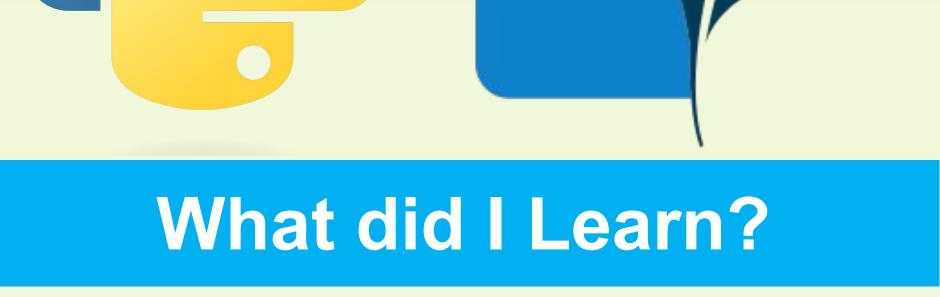
Centene is governmentа managed sponsored care company, providing Medicare,

PagerDuty recently raised the prices of their licenses. Centene purchases a set amount of licenses and each license can only give one user access to PagerDuty at a time. There were employees that consumed PagerDuty licenses that weren't actively using them. In order to save on costs, I wrote PagerDuty license reclamation software that redistributes licenses in a more efficient way.

I wrote my software in Python and used a SQLite database.

Medicaid and private healthcare to 1 in 15 Americans. Centene was founded in 1984 and has 67,800 employees. Centene 25th on the 2023 ranked Fortune 500 and has members in all 50 states. The company emphasizes innovation and technology as a way to prioritize its members.





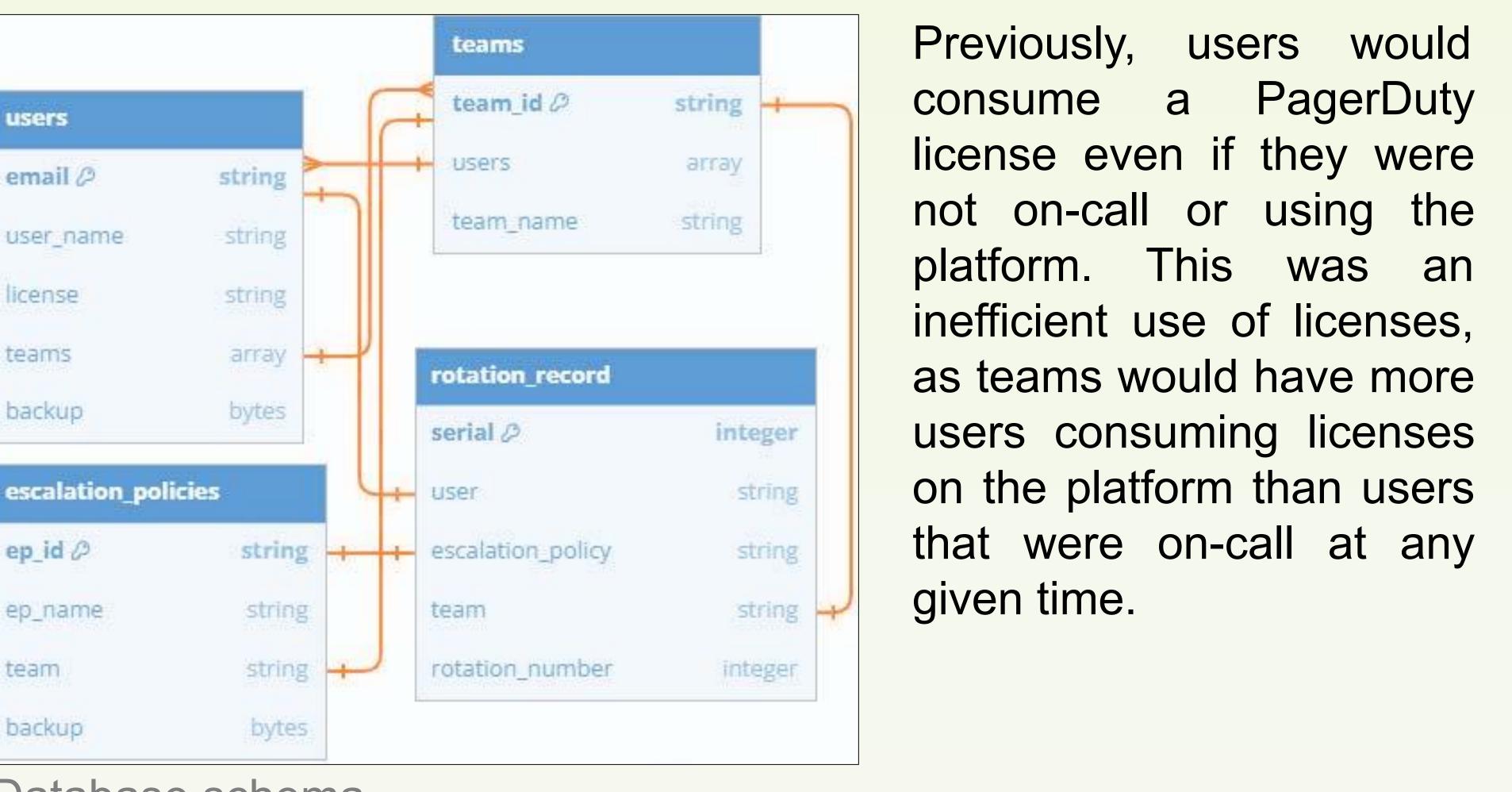
1. Python 2. SQL 3. AGILE development process 4. Jira software development workflow

- 5. Enterprise IT operations
- 6. Database backup/recovery

Internship Objective

hired as an intern to was write PagerDuty design and

Project Description



license reclamation software.

My Role in the Team

I worked as a systems engineer intern in the Incident Response Operations Center. My team was in charge of delegating IT responsibilities of services as well as maintaining a few services. Pagerduty is an IT platform that processes events from monitoring received sources and notifies IT support groups of service outages. My project primary and responsibility was to create a software tool to allow Centene

Database schema

To address this issue, I created a Python script that interacts with PagerDuty's API to collect user data, store it in a database, and rotate licenses bases on on-call scheduling requirements. It runs on a weekly basis, giving on-call users a license that week as well as a backup team member. Other users are moved to a free read-only license (removing their data), with their PagerDuty data stored in the database so they can be backed-up when they are on-call again. Licenses that are freed up will either save costs or will be used to expand user access to the platform.

Preparation

- 1. Previous GAS fellowship
- 2. Database Management (DATA 3300)
- 3. Methods in Computer Science (CS 1440)
- 4. Algorithms & Data Structures (CS 2420)

to more efficiently use its paid

PagerDuty licenses.