

OCTAVIA SELIM

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SOFTWARE ENGINEER

Highly motivated and results-driven software engineer with a background in kinesiology and health care. Experienced in developing and maintaining scalable and secure backend systems using Python. Combines technical abilities with a strong interest in sports and health care to provide unique perspective and solutions. Demonstrated ability to work well in fast-paced environments and deliver high-quality solutions on time. Committed to continuous learning and growth within the industry.

Languages: Python JavaScript HTML/CSS SQL

Frameworks/Databases: Node.js Databricks SSMS Flask MongoDB FastAPI PostgreSQL

Other Technologies: Dataiku Git Unit/Integration Testing Docker Insomnia Jira
Pytest Github/Bitbucket RESTful API's Databricks PowerAutomate

WORK EXPERIENCE

Central City Concern

July 2023 - Current

Data Engineer II

August 2025 - Current

Data Engineer I

July 2023 - August 2025

- Utilize Python and SQL to manipulate and query relational databases, extracting valuable insights from large datasets.
- Develop and maintain data pipelines using Python, SQL and Dataiku.
- Create automated jobs to gather data from various sources and distribute surveys via API calls.
- Frequently complete bug fixes and report improvements for reporting tools such as Power BI, SSMS, and Dataiku.
- Employ strong problem-solving skills to find fast solutions for immediate company problems.
- Collaborate with cross-functional teams to gather requirements and then design and implement data solutions that meet business needs.
- Leverage technical expertise to optimize data workflows and enhance data quality and integrity.

Kyruus

April 2022 - February 2023

Software Engineer I

- Designed and implemented a cost saving change to migrate an application to PostgreSQL through test driven development.
- Improved data accuracy for provider availability while reducing overall costs by building and integrating a new data source, using DataDog and Sentry as well as testing with Insomnia and Docker to monitor changes.
- Engaged in agile development practices with my team and other project stakeholders.
- Lead integration of health status checks with customer EHR's to ensure no gaps in customer access, and reduce outages.
- Planned and refined user stories with the product team to ensure the efficient delivery of tickets and new features, and to provide accurate timeline estimations.

General Assembly
Software Engineering Immersive Student

Sept 2021 - Dec 2021

- Successfully completed 500+ hours of expert led instruction and hands-on learning in front and back end technologies and languages, fundamentals and the industry's most in demand technologies.
- Developed projects, including browser based, javascript applications, full stack MERN and MEN applications, and full stack Python/Django applications.

Providence Health Services
Rehab Office Assistant

Dec 2019 - Sept 2021

- Supported several clinics, and inpatient settings, with patient care, scheduling and general office flow.
- Managed providers' schedules, patient records and insurance verification while maintaining office organization to provide safe and consistent care.

OTHER RELEVANT EXPERIENCE

- Rehab office assistant at Providence, supporting general clinic flow, insurance verification, and scheduling.
- Direct experience RNA sequencing the influenza virus for Spain's vaccine efforts through an internship with FSABIO. (Jun - Aug 2016) Experience in kinesiology and science-based approaches to exercise from lab work and participant studies (2014-2018).
- Knowledge of the musculoskeletal system gained through experiences in cadaver dissection and leading cadaver labs. (2016- 2018)

EDUCATION & TRAINING

Bachelor of Science, Kinesiology | Oregon State University | Corvallis, OR

Software Engineering Immersive | General Assembly

Applied Machine Learning and AI Certificate | eCornell