

Enzo Arata

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Technical skills:

Programming Languages: Python, Ruby, Dart, C

Tools: AWS (S3, ECS, EC2, RDS, ECR), Azure(OpenAI), Jira, Confluence, Git, Grafana, ELK, Spark, MYSQL, MSSQL, PostgreSQL

Software: Ruby on Rails, VS Code, Docker, Selenium, Android Studio, Xcode, Flutter

Operating Systems: Windows, Mac, Linux/Ubuntu, HiveOS

Work Experience:

Software Engineer *Coupa* April 2022 - Present

- Manage AWS infrastructure and operations across multiple regions, environments, and accounts
- Oversee daily extraction, transformation, and loading (ETL) of petabytes of data
- Develop code in Python and Ruby on Rails
- Responsible for managing an internal developer tool (web framework/ruby on rails), overseeing the deployment of updated versions to mitigate potential security vulnerabilities, introduce new functionalities, and address pre-existing issues.
- Orchestrated seamless integration of various internal products into the data insights infrastructure, collaborating closely with cross-functional teams to comprehend their unique requirements.

Technical Support Engineer *Coupa* April 2021 - March 2022

- Assisted customers with debugging, reproducing issues, and identifying the origins of bugs
- Analyzed HTTPS requests between internal and external software
- Utilized cloud tools to monitor health and identify high priority issues(Grafana, ELK)
- First and only TSE to move to software engineering at Coupa

Software Quality Assurance *Scientific Games* June 2019 - August 2020

- Analyze code changes for regression testing
- Write detailed design documents
- Collaborate with developers to create bug free games

Education:

University of Nevada, Reno

B.S, Computer science and Engineering

Graduated May 2019

Recent Projects:

ETL Testing Framework(Docker, Python)

- A comprehensive test suite that allows thorough testing of the ETL code, set up in such a way that all you need to do is start docker compose.
- Prototyped and built a Docker Compose setup for local ETL testing
- Enabled testing against MSSQL, MYSQL and PostgreSQL databases
- Utilizes Minio to model s3
- Wrote scripts to restore databases from backup files to quickly enable testing on a wide variety of environments

ETL Hub(Ruby on Rails)

- Designed and built start to finish as a solo project
- Monitors the health of ETL across various regions and environments
- Provided an easy way to view status, history, run time, and errors of ETL runs
- Capability to read json files from s3 daily and on demand

Genai chat(Django)

- Spearheaded an initiative to provide Coupa employees with access to an LLM chat platform, addressing the inability to use ChatGPT due to sensitive data concerns.
- Implemented security measures using Azure Open AI API key to safeguard sensitive information.
- Collaborated with the team to successfully deploy the application via CCP (Cloud Computing Platform).

Automated Integration Testing Suite(Docker, Python)

- Developed an advanced integration testing framework tailored for evaluating upcoming release candidates.
- Strategically compared new release candidates against the most recent versions to ensure consistency.
- Diligently validated data outputs to guarantee seamless releases.
- Provided detailed reports that highlight discrepancies or areas of concern for each release.