

REUBEN GEDGE

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SKILLS

Languages: Python, Java, C, C++, Haskell

Frameworks & Tools: Django, SQL (Oracle), Kubernetes, Jenkins, Ansible, Terraform

Specializations: API Development(REST), CI/CD Pipelines, Databases

WORK EXPERIENCE

Software Engineer - JPMorgan Chase (Gaia Oracle Services)

Software Engineer III

2026-Present

- Containerised legacy Django applications to now run on JPMC's internal offering of Kubernetes.
- Re-architected application tech stack to meet SWISS compliance regulations, allowing our application to deploy within SWISS firewall.

Software Engineer II

2024-2026

- Designed advanced database access reporting and monitoring across 25,000+ Oracle instances, categorizing access to comply with JPMC's PAM standards, reduced reporting times by over 95% and decreased storage requirements by 85%.
- Optimised Django-based API to handle daily reporting of 46.8 million privileges and users.
- Implemented a REST API Just-in-Time (JIT) access solution to provide secure and monitored privileged access during break glass scenarios.
- Supported the infrastructure for over 25 applications deployed on AWS and On-Prem, ensuring 99.99% availability and compliance with PCI, SOX, and audit standards.

Software Engineer I

2023-2024

- Enabled SOX compliance by introducing reconciliation in our security drift monitoring API, 99.96% → 99.999%, for a 240,000 weekly publication volume.
- Modernised 15 Python applications.
 - Created zero-downtime CI/CD pipelines for seamless application deployment, leveraging automated unit testing and vulnerability scans.
 - Python(3.6 → 3.11) and Redhat (6 → 8) Upgrades.
 - Microservice abstractions of previous Python scripts for reusability and scalability.

Consultant

2022-2023

- Identified and corrected misconfigured database billing, increasing profits by \$150,000 monthly and created ongoing monitoring via Geneos alerts.
- Led cross-team meetings with critical services in our operations, resolving errors that affected more than 7,000 Oracle databases.

EDUCATION

University of Edinburgh

BSc Hons Computer Science: School of Informatics

September 2017 - June 2021

1st Class