UNIVERSITY OF OXFORD / OCTOBER 2008 - FEBRUARY 2010

Integration, identity and platform resilience

Senior Network, Server & Security Specialist

Technical architecture, operational support and staff/project management across central University business systems and a heterogeneous enterprise estate.

Identity

Kerberos, SAML and Shibboleth

Resilience

Two-site active-active infrastructure

Migration

Oracle workloads and VMware

MY CONTRIBUTION

- Worked across IBM Power/AIX, Oracle E-Business Suite and Oracle Student System infrastructure, alongside Unix, Linux and Windows services.
- Designed and implemented federated identity integration using Kerberos, SAML/Shibboleth and related federation technologies.
- Tuned application-layer security controls for Oracle business systems.

PLATFORM AND OPERATIONAL INTEGRATION

- Contributed to active-active infrastructure across two sites and expansion of the virtualised platform.
- Designed and implemented migration of application workloads to VMware, with provisioning and cost allocation for authorised University users.
- Worked with internal teams and technology suppliers to improve integration, resilience and operational support.

THE ARCHITECTURAL LESSON

Identity, application security and infrastructure must work as one service. Deep understanding of each layer makes it possible to integrate legacy systems while evolving the platform and operating model.

Selected historical work. Personal contributions delivered alongside University colleagues and technology suppliers, across identity, business applications and shared infrastructure.