

Robert Yeates

SOFTWARE ENGINEER · TECHNICAL LEAD

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Following success at Goldman Sachs and Gresham Tech I am now prepared for a new challenge with a focus on technical excellence.

Experience

Gresham Technology

Bristol, England

SOFTWARE ENGINEER & TECHNICAL LEAD

Aug. 2015 - Present

Promoted from Software Engineer to Kanban Board Lead to Technical Lead

Technical Lead for multi-million pound flagship application - Clareti Loans Control

- Designed and led implementation of a Cloud Native RESTful platform serving an Angular UI
- Implemented horizontal scaling on demand using AWS ELB/ASG/EC2/ECR with Docker containers
- Created a decoupled architecture, using AWS SQS and Microservices backed by Spring Boot platform to deliver a massively concurrent system
- Used DevOps strategy to create a Build pipeline using Jenkins 2 and a Spot fleet swarm integrated with GitHub and Jira
- Infrastructure as code using AWS Cloudformation to define environments and support a 2 click deployment. Continuous Deployment ready system
- Implemented Test Harness using DockerClient. Built out integration with Sonar and Fortify. Integrated Spock and TestRail for full QA feedback
- Working daily with BA/PM and clients. Daily interaction with CTO and Development Manager
- Tech evangelist involved in regional technical conferences

Goldman Sachs International

London, England & N.Y., U.S.A

SOFTWARE ENGINEER

Jun. 2013 - Aug. 2015

Created a new application to expose REST API between a legacy AS/400 application and a modern Java application. Hibernate JSR-303 validation of beans created from JSON schemas

Developed ETL software processing massive data volumes using data sources including JMS/MQ and flat files - XML/JSON/MX and Excel formats

- Created reflective back-parser and message capture tools to allow for message replay into a regression environment. Migrated Spring from XML to JSR 330 annotated configuration
- Working as part of a global team on both team and individual projects. Functional analysis and requirements creation, providing clear communication and timelines to all stakeholders
- Data model design with a focus on indexing and query plan optimisation
- Won division coding competition for real-time alerting project

Aberystwyth University

Aberystwyth, Wales

LAB DEMONSTRATOR

Sep. 2012 - Feb. 2013

- Demonstrator for second year students for several modules including programming and telecommunications

Goldman Sachs International

London, England

INTERNSHIP

Jun. 2011 - Sep. 2012

Designed, developed and released globally a multitiered replication framework for reference data.

Led an industry wide UAT for Euronext clearing house upgrade together with the operation users. Received praise for the efficiency and dedication of the testing team

- Upgraded core Spring frameworks across both applications and led the regression testing
- Fully utilised the available training including TDD, unit testing legacy applications and attending talks from GS employees such as Ulrich Drepper
- Invited to extend internship for additional project, one of only 3 interns regionally

Aberystwyth University

Aberystwyth, Wales

LAB DEMONSTRATOR

Sep. 2010 - Jun. 2011

- Demonstrator for first year students for several modules including programming and Unix classes

Center Parcs

Warminster, England

HEAD OF DEPARTMENT

Feb. 2006 - Sep. 2009

- Successfully mentored under-confident foreign national waitress to the point where she was awarded company employee of the year
- Set record annual revenue of £2.24Mil in final year. Developed a menu pricing structure and adapting the existing team structure to increase conversion ratio
- DES, customer satisfaction index, raised to 83% the highest level of any restaurant in the company. This formed a large part of my key performance indicators

Education

Aberystwyth University

Aberystwyth, Wales

B.ENG - SOFTWARE ENGINEERING - FIRST CLASS

Sep. 2009 - Jun. 2013

- Dissertation was an multi-tiered application consuming TfL real time data to generate optimum Journey Plans. Client was an Android application with a Java service layer backed by SQLite. Marked as First Class
- Won the Glyn Emery prize for the highest marks in my class of 220 students
- Key modules were algorithm design, data structures and low level programming
- Returned to University at 28 and have achieved highest course marks for a number of modules including programming, algorithm design and databases

Reading University

Reading, England

B.Sc. - SOCIOLOGY

Sep. 2002 - Jun. 2006

- Split major/minor with Psychology

Tools

Languages Java 1.4-1.8, Groovy, Python, SQL, Perl/Bash

Test Tools Spock, JUnit, DockerClient

Build Tools Docker, Jenkins, Nexus, AWS ECR/Docker Hub, Maven, Gradle

Cloud AWS CloudFormation, AWS EC2, AWS Lambda

Messaging AWS SQS, AWS SNS, JMS, MQ

Frameworks Spring 4/Spring Boot, Spring MVC/JAX-RS, Spring Security/SAML

Databases Dynamo, MySQL/AWS Aurora, DB2, Sybase, H2, SQLite

OS Debian/RHEL/Ubuntu, Windows

Other IntelliJ, Office/LibreOffice

Interests

- Keen cyclist, both road and mountain biking, a motorsport enthusiast and runner
- I have a full clean driving licence