Shajid Issa

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Profile

Lead Java & Integration Developer with over 20 years of experience delivering enterprise-scale solutions across healthcare, research, and e-commerce. Skilled in cloud-native development, microservices, and data-driven platforms. Proven leader with extensive NHS and commercial project experience, mentoring developers, and presenting at international conferences.

Key Achievements

- Delivered secure Access Management Service for UK Biobank Research Analysis Platform, supporting 500k+ genome participants.
- Led NHS Spine/HL7/FHIR integrations across University Hospitals of Leicester, enabling seamless clinical data exchange.
- Developed automated Patient Level Contract Monitoring (PLCM) extraction system adopted by NHS England.
- Technical lead for multi-country clinical trial platforms at University of Oxford, ensuring compliance with global regulations.
- Presented NHS/academic software solutions at conferences in Harvard, Nuremberg, Missouri, and New York.

Key Skills

Programming & Frameworks	Java (8–17), Spring Boot, Hibernate, JPA, Scala, C++, Node.js
Web & APIs	REST, SOAP, JSP, Servlets, React, Angular
Databases	Oracle, MySQL, Postgres, MongoDB, SQL Server
DevOps & Cloud	AWS, Azure, Docker, Jenkins, Ansible, Kubernetes
Testing & Tools	JUnit, Mockito, Selenium, SonarQube, Git, Maven
Standards	HL7, FHIR, NHS Spine integration

Work Experience

Lead Java Developer – UK Biobank

Jun 2021 – May 2025

- Architected and delivered Java-based Access Management Service for genome research platform (500k+ participants).
- Designed and deployed AWS CloudFormation and SAM templates to support scalable research analysis.
- Collaborated with scientists and data engineers to deliver secure cloud-native infrastructure.
- Mentored junior/mid developers, driving best practices in code quality and DevOps pipelines.
- Tech: Java 17, Spring Boot, Tomcat, AWS, GitHub.

Lead Data Integration Developer – University Hospitals of Leicester

Aug 2021 – Mar 2025

- Configured and extended PhenoTips patient management system with custom NHS features.
- Built RESTful APIs and integrated NHS Spine for patient-centric workflows across multiple systems.
- Delivered automated extraction pipeline for PLCM, adopted regionally by NHS England.
- Ensured compliance with HL7 and FHIR standards across integrations.
- Tech: Java 11, Spring Boot, HL7, FHIR, Tomcat.

Lead Software Developer – University of Oxford

Aug 2018 – Jun 2021

- Led development of Orion and EMPA trial platforms, used across multiple countries with strict compliance needs.
- Oversaw and mentored 5 developers, implementing agile methodologies and CI/CD practices.
- Collaborated with Microsoft CSE team to create prototype clinical trial systems.
- Implemented REST APIs, secure data collection, and multilingual support.
- Tech: Java 8, Spring Boot, REST, JUnit, Mockito, JavaScript.

Lead Java Backend Developer – RS Components

Mar 2018 – Aug 2018

- Developed backend of flagship global e-commerce site using Java 8, JEE, and REST APIs.
- Applied TDD/BDD methodologies with IntelliJ, GitLab, Jenkins, Docker.
- Collaborated with cross-functional agile team of 10 to deliver scalable features.
- Tech: Java 8, JEE, Spring, REST, Endeca, Docker.

Lead Java Developer – NHS Genomics (UHL & University of Leicester)

Oct 2017 – Mar 2018

- Contributed to NHS 100k Genomes Programme by deploying and integrating PhenoTips system.
- Developed Spring Boot microservices with secure authentication modules.
- Integrated with NHS Patient Master Index and coordinated across multiple hospitals.
- Deployed across AWS, Azure, and UK Cloud environments.
- Tech: Spring Boot, Microservices, Swagger2, Angular4, Docker.

Earlier Career (2001–2017)

Held senior Java, GIS, and integration roles across NHS, University of Leicester, Cancer UK, RS Components, and Leicestershire County Council. Delivered large-scale biomedical research software (BRISSkit), integrated clinical systems using HL7, led DevOps transformations, and presented internationally (Harvard, Germany, USA).

Education

BSc (Hons) Computer Science (2:1) – University of Leicester, 1999

References

Available on request.