

# Timothy “Rob” Darrough Jr.

## Senior Java Developer

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### Arizona State Retirement System Senior Agile Developer

**Aug 2014 - Present**  
**Phoenix, AZ**

- Executed significant enhancements to core business functionalities, including:
  - Overhauling a Spring Web Flow form for managing retirement benefits applications.
  - Upgrading a Spring Integration-based service for importing documents into FileNet.
  - Enhancing a Spring Batch job to streamline data integration with a long-term disability contractor.
  - Modernization across multiple Spring Boot web applications, upgrading core components to Spring Framework 6.0, Spring Boot 3.2, and Java 17.
- Developed and enhanced user interfaces using a front-end stack including JSP, HTML, CSS, JavaScript, jQuery, React, Angular, and Bootstrap.
- Developed and maintained data access layers, primarily utilizing MyBatis SQL maps alongside Hibernate and JDBC, implementing complex SQL query optimizations and Oracle packages.
- FileNet and Kofax Capture subject matter expert
  - Enhanced workflow definitions using Process Designer
  - Prepared deployment packages with Deployment Manager.
  - Developed applications using CEWS, PEWS (SOAP web services), Java FileNet API.
  - Used ACCE and Process Designer for work item administration.
  - Developed a custom Kofax export connector and validation scripts.
  - Created a java application to compare Deployment Manager packages for code review.
  - Numerous Spring Boot REST Microservices for interaction with Java
- Authored complex Jasper Reports, including an end-of-fiscal-year summary report featuring four sub reports, for key business analytics.
- Provided comprehensive production application support, utilizing Splunk for log retrieval.
- Maintained a security-first mindset, proactively identifying and remediating security vulnerabilities such as exposed passwords in logs, misconfigured Cross-Origin Resource Sharing (CORS) settings, and implementing protective measures like a PowerShell script to mask sensitive data during presentations.
- Utilized Maven, Git, Jenkins, Jira, Bit Bucket, Copilot, Intelij, some Eclipse, Visual Studio Code for EDI X12 834 enrollment data files.

### Arizona Depart. of Economic Security Programmer III

**Aug 2004 - Aug 2014**  
**Phoenix, AZ**

- Developed a large-scale Struts-based web application, providing a secure portal for child support recipients and payers to submit information and monitor their account status.
- Made significant contributions to two sizable Spring Framework applications: the first facilitated secure communication between child support judges and legal counsel and the second was for employers to report worker information for wage garnishment processes.
- Optimized data access and management across all applications, primarily using MyBatis SQL Maps and writing extensive SQL, including complex stored procedures for SQL Server.

- Developed dynamic and responsive user interfaces using a front-end stack including JSP, HTML, CSS, JavaScript, and jQuery, with REST-based web services for data access.
- Acted as lead developer for mainframe integration initiatives, leveraging both EntireX and CICS Transaction Gateway to bridge modern Java applications with legacy systems (building on prior experience as a COBOL/CICS developer).
- Administered development and production Red Hat Linux servers running JBoss.

**IBM Global Services, Inc.**  
**I/T Specialist**

**June 2000 - June 2004**  
**Travelling**

- Developed and maintained a portfolio of Java web applications for state government agencies in California, Michigan, and Utah while a consultant at IBM Global Services.
- Implemented Model 2 Servlet designs utilizing a full-stack approach, including extensive JSP, HTML, CSS, and JavaScript for the front end.
- Managed robust data persistence layers using JDBC and EJB 2.0, writing complex SQL and stored procedures primarily for DB2 databases.
- Executed specialized technical integrations:
  - Utilized Java Native Interface (JNI) to enable one application to interact with the Windows Registry and COM objects.
  - Architected and implemented enterprise-level EJB 2.0 session and entity beans for another key project.
  - Successfully interfaced two applications with IBM MQ Series.
  - Interfaced a large unemployment claims application with IBM Policy Director, a project requiring significant expertise in digital certificates.
  - Successfully interfaced an application with Active Directory using the Java LDAP API for permissions management.
  - Used the Java sockets API to upload spreadsheets to an FTP server.
- Administered various development environments running WebSphere Application Server.

**Education & Certification**

Sun Certified Business Component Developer (EJB 2.0), July 2004

B.S. Computer Science, National University, April 1998    Summa Cum Laude

B.A. Mathematics, U.C. Santa Cruz, March 1989