

CONTACT

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CORE SKILLS

Leadership & Architecture

Technical Strategy, Architecture Guidance, Engineering Mentorship, Design Review, Technical Risk Reduction, Cross Team Influence

Modernization

Enterprise Java Modernization, Legacy Systems, Browser Modernization, API Driven Platforms, Maintainability

Backend & Integration

Java, Spring Boot, Quarkus, REST APIs, Web Services, SQL, Batch Processing, Authentication, SSO, JWT, SAML 2

Cloud & DevOps

Azure, AKS, OpenShift, AWS, Docker, GitHub Actions, Git, CI/CD, Cloud Migration Strategy

Frontend

Angular, JavaScript, CSS, Browser Agnostic Development, Enterprise UI Modernization

AI / Productivity

GitHub Copilot, Responsible AI Usage, AI Assisted Engineering Practices

EDUCATION

Florida State University

Computer Science
Minor: Mathematics
May 2004

FOCUS

Senior technical leader focused on enterprise modernization, cloud ready platforms, engineering mentorship, production stability, and long-term system maintainability.

ROBERT WORLEY

Systems Engineering Lead

Enterprise Java Modernization | Cloud Migration Strategy | Application Architecture

ENGINEERING LEADERSHIP PROFILE

Systems Engineering Lead and senior Java technologist with 20+ years of experience modernizing enterprise applications, guiding cloud migration strategy, and leading technical execution across business-critical systems. Experienced across legacy monoliths, distributed Quarkus services, Angular frontends, REST API ecosystems, authentication platforms, production stability, and cross-team engineering leadership. Focused on turning aging systems into maintainable platforms, reducing long term technical risk, mentoring engineers, and aligning architectural decisions with operational stability and business outcomes.

SELECTED ENGINEERING IMPACT

Cloud modernization: Defined migration strategy for 20+ web services and an Angular frontend moving from OpenShift to Azure Kubernetes Service.

Legacy modernization: Directed replacement of Internet Explorer dependent JavaScript with browser-agnostic implementations.

Integration architecture: Designed and implemented JWT, SAML 2, SSO, encryption, REST API, and feature-toggle capabilities.

Performance & automation: Delivered approximately 50% login improvement and reduced a manual four hour ML workflow to approximately 20 minutes.

PROFESSIONAL EXPERIENCE

● Systems Engineering Lead 2022 – Present

Shaw Industries

- Lead technical strategy and engineering execution across multiple enterprise applications, including legacy monolithic systems and distributed applications built with Quarkus web services and Angular frontends.
- Provide architectural guidance, mentor junior and senior engineers, review implementation direction, and support modernization decisions affecting maintainability, platform readiness, and production stability.
- Defined cloud migration strategy for moving a distributed application ecosystem from OpenShift to Azure Kubernetes Service, covering 20+ web services and an Angular frontend.
- Addressed service readiness, operational risk, deployment direction, and long term platform maintainability as part of the migration strategy.
- Directed modernization of Internet Explorer-dependent JavaScript, replacing browser specific behavior with browser agnostic implementations and reducing legacy technology dependency.
- Improved engineering execution through clearer backlog formation, stronger Agile delivery practices, better cross-team communication, and improved visibility across engineering, infrastructure, business, and support teams.
- Promote responsible use of AI assisted development tools while maintaining code quality, security awareness, engineering judgment, and accountability.

Skills: Technical Strategy, Architecture Guidance, Engineering Mentorship, Java, Quarkus, Spring Boot, Angular, REST APIs, SQL, Azure, AKS, OpenShift, Docker, GitHub Actions, GitHub Copilot

● Senior Software Engineer 2019 – 2022

US Xpress

- Served as lead developer for a Java based logistics batch platform used to support load planning optimization.
- Partnered with an existing contracting company to understand, stabilize, and improve a business critical optimizer application.
- Strengthened engineering maturity by introducing Git branching strategy, expanded unit testing, formal code reviews, release changelogs, documentation, and developer coaching sessions.
- Increased delivery consistency, developer confidence, and maintainability by identifying process bottlenecks and improving team execution practices.
- Partnered with business intelligence, machine learning, and database teams to automate manually executed machine-learning workflows used to identify drivers at risk of leaving the company.
- Built automation with Azure Logic Apps, Azure Functions, Python, Docker, AWS Step Functions, and Lambda, reducing a manual four hour process to approximately 20 minutes.

Skills: Java, Spring Boot, Spring Batch, Spring MVC, Mockito, Maven, EhCache, Git, AWS, Azure Logic Apps, Azure Functions, Python, Docker, AWS Step Functions, AWS Lambda

TECHNICAL SCOPE

Architecture

Application architecture, service contracts, authentication, integration patterns, modernization direction

Delivery

Backlog formation, code reviews, release planning, documentation, coaching, production ownership

Business Alignment

Operational stability, platform readiness, technical risk reduction, maintainability, cross-team execution

PROFESSIONAL EXPERIENCE CONTINUED

Senior Technical Lead - AVP

2015 - 2019

Barclays Investment Bank

- Served as Senior Technical Lead - AVP for customer-facing banking website initiatives, guiding local and offshore development teams through requirements, architecture discussions, technical design, delivery planning, implementation, and production support.
- Led two offshore engineering teams of 4-5 developers each, reviewed technical designs, conducted code reviews, mentored junior developers, and maintained engineering quality across geographically distributed teams.
- Designed and developed JWT authentication infrastructure supporting internal and external single sign-on for customer website access, customer care agents, and mobile application integration.
- Partnered across teams to define REST API contracts consumed by multiple client applications.
- Advocated modernization toward RESTful services, reusable React components, and cleaner integration patterns.
- Served as primary lead for monitoring alerts and system events, ensuring production issues were assessed, prioritized, and managed with appropriate technical ownership.

Skills: Technical Leadership, Architecture Review, Mentorship, Java, Spring Boot, JWT, SSO, REST APIs, React, Docker, JUnit, SQL, Git, Agile

Senior Application Developer

2012 - 2015

Barclaycard

- Supported Apply Rewrite and UI Refresh initiatives, contributing to the transition from legacy application patterns toward a more modern technology stack for customer-facing banking systems.
- Designed and implemented web services in a service-oriented architecture using Maven, Spring, JAXB, Hibernate, and Oracle databases.
- Implemented a proof of concept using Spring asynchronous processing to improve login performance during data prefetch operations.
- Improved login time by approximately 50%, allowing the business to expand prefetch data from 8 data points to 28 data points.
- Created a 3DES encryption library using Java Crypto APIs to support SSO functionality between the customer website and external vendors.
- Built a feature toggle framework using MBeans, enabling specific functionality to be enabled or disabled on demand.

Skills: Java, Spring, Spring WS, Hibernate, Oracle, Stripes, Java Crypto APIs, 3DES Encryption, SSO, Feature Toggles, MBeans, Mockito

Java Developer

2008 - 2011

Systems Engineering Services Corporation

- Contracted to Barclays as an application developer supporting customer facing banking website enhancement initiatives.
- Developed website features that enabled customers to complete more tasks online and contributed to a significant reduction in customer service call volume.
- Directed and assisted development activities for up to eight developers to meet project timelines.
- Guided development work on the Barclaycard Boost Rewards project, translating business requirements into technical guidance and implementation direction.
- Created technical specifications for an Identity Provider flow using SAML 2 to support single sign-on functionality.
- Provided production release support and on-call troubleshooting during critical deployment windows.

Skills: Java, Struts, Oracle, SVN, SAML 2, SSO, JMock, StrutsTestCase, Production Support