JOHN LAWRENCE JACKO

+1 201-277-2980 | Email | linkedin

Longmont, CO

PROFESSIONAL SUMMARY:

- Full Stack Java Developer with over 3 years of experience designing, developing, and deploying full-stack enterprise applications in e-commerce, retail, and data-driven domains using Java, Spring Boot, Angular, and React.
- Experienced in frontend engineering with Angular, TypeScript, JavaScript (ES6+), React.js, HTML5, CSS3, Bootstrap, and Tailwind CSS to build responsive, interactive user interfaces.
- Skilled in backend systems using Java, Spring Boot, Spring MVC, Hibernate, RESTful APIs, and Microservices architecture for scalable and secure solutions.
- Hands-on with cloud and DevOps tools — Azure (App Service, Storage Blobs, Key Vault, Functions), Gradle, Maven, Git, Jenkins, and GitHub Actions to automate CI/CD pipelines and deployments.
- Proficient in database design and optimization with MySQL, Cassandra, and MongoDB for efficient data storage and retrieval.
- Strong collaborator experienced in Agile Scrum, code reviews, unit testing, and cross-functional teamwork to deliver maintainable, production-ready software

EDUCATION:

- Master of Science in Computer Science – West Virginia University | 3.9 GPA | Aug 2016 – May 2018
- Bachelor of Arts in Biology (Computer Science Minor) – West Virginia University | 3.4 GPA | Aug 2012 – May 2016

CERTIFICATION:

- Microsoft Certified: Azure Fundamentals – July 2021
- Microsoft Certified: Azure Developer Associate – August 2021
- Microsoft Certified: Azure Solutions Architect – November 2021
- AWS Certified Cloud Practitioner – September 2023
- Oracle Certified Java SE 8 Programmer – October 2018
- CompTIA A+ Certified – September 2024

TECHNICAL SKILLS:

- **Languages**: Java, TypeScript, JavaScript (ES6+), Python, SQL, HTML5, CSS3
- **Frontend**: React.js, Angular, Redux, Bootstrap, Tailwind CSS, jQuery, AJAX
- **Backend**: Java, Spring Boot, Spring MVC, Spring Data JPA, Hibernate, REST API, Microservices, Node.js
- **Databases**: MySQL, CosmosDB, MongoDB, Cassandra, Oracle, MS SQL Server
- **Cloud & DevOps**: Azure (App Service, Storage Blobs, Key Vault, Front Door, Functions), Jenkins, Maven, Git, GitHub Actions, AWS (EC2, S3, RDS, Secrets Manager), OpenShift, Docker
- **Testing & QA**: JUnit 5, Mockito, Jasmine, Karma, Vitest, Postman, SonarQube, Checkmarx
- **Monitoring & Tools**: Kibana, Grafana, Splunk, IntelliJ IDEA, VS Code, STS
- **Practices**: Agile Scrum, CI/CD Pipelines, SDLC, TDD, Version Control (GitFlow)

PROFESSIONAL EXPERIENCE:

Data Annotation Tech | Remote   **Feb 2024 – Present**
Independent Contributor
- Implemented and Enforced JWT authentication in Node.js/Express.js as well as Java/Spring Boot
- Translated Python-related tasks as well as Python Unit Tests to Java and Junit with AssertJ
- Provided Quality Testing on React.js code that utilized Tailwind CSS, Shadcn/ui, and Next.js
- Provided Quality Testing on Angular code that utilized Reactive Forms, Bootstrap, and Material UI
- Provided feedback on the correctness of SQL queries and triggers for MySQL, MS SQL Server, and Oracle
- Leveraged Generative AI to construct an HTML Image Cropper that was applied to an Angular and React library
- Tested Generative AI on a variety of topics such as Cloud Storage (AWS S3, Azure Storage Blobs), Java/ Spring Boot, Express.js, Azure Functions, and HTML/CSS

Environment: Java, Spring Boot, Hibernate, React, Angular, HTML5, CSS3, JavaScript, Junit, SQL, Node.js, Express.js, TypeScript, Python, Azure (Storage Blobs, Key Vault, Functions)

Best Buy | Richfield, MN | Remote   **Mar 2021 – Apr 2023**
L2 Software Developer

- Delivered multiple Spring Boot microservices that powered key customer-facing and internal systems for Best Buy, improving performance and stability across application layers.
- Led the Java version upgrade from 11 to 17, resolving library dependencies, improving runtime efficiency, and mentoring developers on adopting new JDK features.
- Developed non-blocking REST APIs using Spring WebFlux to handle concurrent requests efficiently in high-traffic environments.
- Integrated Kafka message queues for asynchronous communication and Redis caching to enhance response times and service scalability.
- Implemented Kibana, Grafana, and Splunk dashboards to visualize performance metrics, detect anomalies, and track deployment health.
- Automated development and deployment cycles using Jenkins pipelines, Docker, and Openshift, improving team productivity.
- Ensured code quality compliance through SonarQube analysis and vulnerability checks in Checkmarx.
- Collaborated in code reviews, sprint planning, and retrospectives to maintain Agile best practices and improve development velocity.
- Designed and implemented unit, integration, and load testing to validate system reliability.
- Authored internal technical documentation for service configurations, Jenkins scripts, and CI/CD pipeline steps.

Environment: Java 11/17, Spring Boot, Spring WebFlux, Kafka, Redis, REST API, Jenkins, Docker, AWS EC2, Gradle, Git, SonarQube, Checkmarx, Kibana, Grafana, Splunk, JUnit, Mockito, Jacoco, Agile Scrum, Maven

Projects:

Network of Backend Web Apps

- Developed a series of Microservice Rest Applications using Java and Spring Boot, and hosting them on Azure App Service
- Utilized Azure Key Vault, private endpoints, Virtual Networks, and Spring Security for enterprise-grade security
- Developed a Spring Security Library to provide for multiple account types, JWT request authentication, Multi-Factor Authentication (MFA) support, session management, and brute-force mitigation
- Utilized Azure DevOps to host the Spring Security Library for consistency across applications
- Leveraged Azure Functions to support RSA Key rotation and image content management
- Leveraged Azure Storage Blobs to host images and other unstructured data, and databases such as Cassandra and MongoDB on CosmosDB, or MySQL for metadata management

Environment: Java 17/21, Spring Boot, Spring Web, Spring WebFlux, REST API, Hibernate, MySQL, Gradle, Azure (DevOps, App Service, Functions, Storage Blobs, Key Vault, Virtual Networks, Front Door, CosmosDB)

Frontend Web Apps

- Developed a series of Front-end applications utilizing Angular to connect to the backend applications
- Developed an Angular library to facilitate application development by providing common styles and components
- Recreated the Angular Library using React and Vite to facilitate future development using React.js
- Utilized Azure DevOps to host the frontend libraries for consistency across applications
- Developed a Spring Cloud Gateway application that leveraged Thymeleaf for core UI presentation and provided access to the rest of the application ecosystem
- Set up Azure Front Door and a custom DNS to provide a common URL for apps to make requests to

Environment: Angular, React, HTML, CSS, JavaScript, TypeScript, Thymeleaf, Azure (DevOps, App Service, Front Door)

Personal Website:

- Angular Version: https://jljacko.trecapps.com
- React Version: https://jljacko.trecapps.com/React/
- Hosted via Azure Storage and configured with Azure Front Door for optimized performance and security.
- Developed using Angular 15–17 (currently 20), Bootstrap 5, and advanced Angular Animations for an interactive, visually appealing experience.
- Features an Art Gallery module to demonstrate HTML, CSS, TypeScript, and animation techniques.
- Includes a React + Vite version rebuilt for faster rendering and modular UI development.