Jan Steven Meckman

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Senior/Lead Developer

Business-results focused software engineer with proven leadership in creating innovative and efficient designs across multiple platforms. Quickly and effectively harnesses new technologies.

Expertise

Java/JVM	Java 21, Spring Boot 3 Web Service technologies (JAXB, Jax-WS, Jax-RS, REST) Reactive streams (using Project Reactor)
JavaScript	Node.js ECMAScript, TypeScript, RxJS
Web Development	React, Angular
Cloud Infrastructure	AWS (Lambda, API Gateway, DynamoDb, S3, Cloudfront, EC2)
Continuous Delivery	Kubernetes, Helm, Openshift, Docker/Podman Azure DevOps, Github, Jenkins, Bamboo npm, Gradle, Apache Maven
Data Management	RDBMS (Postgres, MySQL, Oracle, SQL Server, DB2), Kafka, MongoDB, DynamoDB, Elasticsearch
Tag Management	Tealium
Spoken languages	Fluent in French and Dutch, conversational in German, some Spanish

Experience

Lirio - Knoxville, NC   2021-Current
Precision Nudging - combining behavioral science and AI to activate and engage consumers
Senior Developer

- Developed and maintained a system that creates and sends millions of individual personalized messages in a high-concurrency Java Spring Boot/Kafka/Postgres microservice infrastructure on Kubernetes using event-driven autoscaling.
- Designed a modular configuration-based framework that facilitates the connection to multiple 3rd-party message delivery providers through REST API calls, a MS Dynamics/Dataverse integration, the AWS S3 connector, and SFTP. It takes into account the provider's rate limits through different throttling strategies while maximizing throughput by operating in a multi-threaded multi-pod environment.
- Created an Angular-based dashboard to visually display analytical insights including D3 data visualizations, with the ability to drill into granular details.

Advance Auto Parts - Raleigh, NC   2019-2021
Online sales for Fortune 500 company
Lead Developer

- Led the technical effort to convert the B2C site, contributing to:
    - React/Typescript/Next.js frontend development work,
    - Node/Express/Typescript backend development work
    - Tealium integration and refactoring all tags to integrate with React ecosystem
- Updated the code base of a legacy Java application to comply with modern security standards, migrated the build stack from a Websphere ecosystem to Maven/Jenkins/JBoss microservices.
- Developed various applications using React, GraphQL, Elasticsearch, Okta, and AWS web services to migrate industry-specific services to a more cloud-based architecture.

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Landis+Gyr - Morrisville, NC   2018-2019
Smart electric and gas meters
Senior Developer

- Mitigated security vulnerabilities and improved time to render a page tenfold by refactoring a legacy Java/GWT application into modular components and microservices using a distributed architecture and a more contemporary technology stack (Java8, Spring Boot, React).

Avanade - Raleigh, NC   2015-2018
Technical solutions delivery
Team Lead

- Greenfield development of a configuration-based insurance sales platform for browser and mobile devices, as well as the configuration UI using AngularJS, Reactive Streams, and MongoDb..
- Managed the professional growth of 3 direct reports, providing professional guidance, coaching, project direction, and assistance toward setting and achieving goals
- Successfully delivered the application in use in several countries by insurance agents. Trained an offshore team of non-English speakers to maintain it and further develop new features.

Teradata - Raleigh, NC   2013-2015
Marketing management division of database vendor
Senior Developer

- Designed web service-based integration between our flagship marketing management product and other marketing applications in the Teradata portfolio.
- Implemented multi-database support for a Teradata DB-specific application through continuing development of a markup language-based system that manages query language idiosyncrasies.

Railinc - Cary, NC   2012-2013
Data services for the railroad industry
Contract Developer

- Lead developer for an Extract/Load/Transform (ELT) messaging backbone, handling up to 7 million messages a day of up to 100Kb each. Improved the transaction times of existing flows 5-fold.
- Migration of the company's main train car tracking product, from an IBM System Z mainframe to a Java-based platform supported by an MQ/Broker environment.

Bealls Inc - Bradenton, FL   2009-2012
Southeast Regional Department store
Senior Developer

- Greenfield development of a $40m ecommerce site based on IBM Websphere Commerce v7.
- Created a stream buffering process in Websphere MQ Message Broker that shortened the production time of product feeds from an original 52 hours to under 10 minutes. This became a solution recommended by IBM to other Message Broker clients.
- Introduced continuous delivery into the systems development life cycle.
- Promoted a Service-Oriented Architecture strategy to access legacy data.

<u>Education:</u>

- B.A., Social Sciences, New College of Florida, Sarasota, FL