JOHN DERINGER

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SUMMARY

An accomplished and driven software engineering professional with extensive experience working with service-oriented and event-driven microservices. Serves as a large enterprise project lead, coordinating efforts of multi-team development. Collaborates regularly with business stakeholders to report status and recommend solutions.

TECHNICAL SKILLS

- Streaming: Kafka | MapR | Kinesis
- Cloud: AWS: EC2 | S3 | ECS | MKS | Kinesis | API Gateway | Cognito | Lambda | RDS | Pinpoint | SQS
- Virtualization: Docker | Kubernetes | Virtual Machines | ECS
- Databases: Oracle | MS SQL Server | MySQL | PostgreSQL | MongoDB | SQLite | DynamoDB
- Application Servers: Tomcat | JBoss / WildFly | WebLogic | OpenESB | Mule ESB | ActiveMQ
- Spring: Spring Boot | Spring Framework | JPA | JMS | Configuration | Spring MVC
- Languages: Java | C# | Obj-C | C | Python | PHP | JavaScript (Node, React) | SQL | PL/SQL | T-SQL | JPQL

PROFESSIONAL DEVELOPMENT

AWS Certified Solutions Architect | Certified Confluent Kafka Developer | Certified Iterable Developer

EXPERIENCE

Architect – Responsible for designing new features, incremental improvements, and evaluating maintenance issues. Collaborate closely with marketing, UI/UX and product development on solutions, designs and sizing.

- Transactional notification services (email, SMS, and mobile push). Event-driven systems designed to support several million messages per day, with delivery in seconds. System leveraged Kafka, Docker, and Kubernetes on Linux for high scalability. Developed as independent microservices using Java and Spring.
- Business transaction tracking using Kafka, processing millions of messages per minute, for real-time metrics and anomaly detection. Producer and consumer microservices using Java and Spring.
- Trueldentity.com / TransUnion.ca Principal architect for two of TransUnion's most trafficked websites.
 Java Web services supporting SOAP and REST interfaces and Oracle database. Supported e-commerce, enrollments, identity verification, product fulfillment, and online delivery of credit products. Microservices using Java and Spring.
- Customer Support Principal architect of TransUnion's customer support tool. Replaced several disparate
 tools, interfacing with various TransUnion services to retrieve customer information. Limited access to
 customer data using Spring Security / LDAP / Active Directory authentication & authorization.
- SaaS Exposed and maintained Software as a Service, for partner consumption; credit reports, alerts, identity verification, credit tools and messaging. Visualize service metrics using Grafana.
- Designing the next generation cloud infrastructure, migrating services to Amazon Web Services (AWS).

Lead Engineer - Technical lead of an agile team of eight engineers, supporting TransUnion's direct consumer Web applications

- Managed the software release process, including design review, Docker image creation, CI/CD (Jenkins), functional, regression and unit testing, release instructions, merging, tagging, and production verification.
- Worked closely with development team, architecture, business, and Scrum master to create user stories, triage defects, assign tasks, and monitor applications.
- Developed microservices using Java, IntelliJ, JSON, Swagger / OpenAPI, Spring, JPA, Git, WebLogic JMS, and Oracle.
- Mentored developers and conducted mid-year and year-end reviews.
- Mobile app Supervised the design and implementation of TransUnion's mobile app, using React Native and interfaced with the TransUnion credit monitoring service's JSON interface.
- Continuous compliance training, including HIPAA, SOC, SOX, OWASP security, ISO 27001, CCPA, GDPR

ADDITIONAL EXPERIENCE

SRI INTERNATIONAL, Menlo Park, California, Senior Engineer, Feb 2008 - Dec 2013

Lead engineer of a virtual soccer application, an AI Machine Learning (ML) Reinforcement Learning (RL) project, with Java implementations of the SARSA algorithm and tile coding. Each autonomous agent (player) learned to play soccer through a configurable reward system. Multi-year development in coordination with University of Texas.

SOA Architect / Advocate - SOAP, REST, service composition, and orchestration. Functioned as architect and lead engineer of several Java Web applications, using Tomcat, Spring, Maven, ActiveMQ, MySQL, SAML, JPA/ Hibernate and Lucene / Solr, deployed to AWS (EC2 & S3).

TRUELINK / LEHMAN BROTHERS / TRANSUNION, Lead Engineer, Jun 2001 - Feb 2008

An Internet start-up purchased by Lehman Brothers, subsequently purchased by TransUnion.

Mortgage-backed-securities - Architect and Lead engineer of a Java web application developed for Lehman Brothers' mortgage trading operations, enabling risk assessment, analysis, sampling, and securitization of hundreds of thousands of loans. Created sample loan populations and ran various risk assessments, including credit profiles, fraud scores, and high-risk areas. Facilitated categorizing loans, creating mortgage pools and securities tranches.

KIOSK SOFTWARE INC., San Luis Obispo, California, Staff Software Engineer, Dec 1999 - Jun 2001

Functioned as architect and lead engineer of Kiosk remote management system, SOA Web application enabling configuration and maintenance of computer-based remote Kiosks via Web-based management console. Awarded Best-of-Show at annual kiosk industry trade show KioskCom2000.

EDUCATION

UNIVERSITY OF PUGET SOUND, Tacoma, Washington

Bachelor's Degree, double major in Finance and Economics Emphasis on regression analysis, predictive analytics, and financial modeling