REUBEN FISHER

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SENIOR SOFTWARE ENGINEER

Broad experience in software design and development including object-oriented design, web technology, database management systems, modeling, repositories, development environments, and model driven design. Highly effective collaborator, working with cross functional teams with ability to balance conflicting priorities and values while still meeting deadlines.

- Applied OO patterns and object modeling to design and development of multiple frameworks and applications, with interest in database-driven, web-based applications.
- Design of REST APIs and frameworks.
- Developed database schema and access strategies including object-relational mappings.
- Strong modeling and database experience with multiple relational databases (MySQL, Oracle, SQLServer, DB2) including use of stored procedures. Experience with object databases.
- J2EE technologies: Servlets, JSPs, JDBC, EJBs, XML parsing and REST APIs.
- Web containers: Tomcat, JBoss, Websphere.
- Frameworks: Hibernate, Spring, Grails, Gradle, Maven, Ant, Velocity, Spock/JUnit/NUnit, Log4J, Struts/Tiles.
- Languages: Java, Groovy, C#, C++, C, Smalltalk, PL/I, SQL, HTML, XML, JavaScript, UML.
- Experience with Agile, full development lifecycle, distributed development teams and test-driven development.
- Continuous integration using Jenkins
- Development platforms: Windows, Mac OS X, UNIX.
- Mentored junior developers and conducted code reviews.

EDUCATION

MS Computer Science, Boston University
BS Computer Science, Brooklyn College (CUNY)

PROFESSIONAL EXPERIENCE

SENIOR SOFTWARE ENGINEER

CONSTANT CONTACT, WALTHAM, MA 04/2019 – PRESENT

Member of the web services development team, responsible for designing and implementing public REST APIs for the suite of Constant Contact services.

- Java, SpringBoot, AWS.

PRINCIPAL SOFTWARE ENGINEER

RSA (AVEKSA), BEDFORD, MA
12/2012 – 02/2019

Member of the product development team for RSA SecurID, a cloud-based platform that provides secure access to all of an organization's users, across all of its applications. It brings together multi-factor authentication, risk-based access management, identity governance and user lifecycle management in one powerful suite of solutions.

- Designed and implemented strategy for REST services using the Spring and Katharsis REST frameworks.
- Enhancements to the SecurID administration console and security policies.
- Enhancements to the security framework to enforce FIPS compliance and manage stored passwords, key rollover and migration; change requests; workflow; provisioning and access fulfillment modules.
- Lead role in developing the product's password policy management features.
- Java, Spring, Hibernate, JBoss, Oracle, MySQL, JSPs.

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SENIOR SOFTWARE ENGINEER
PERCEPTIVE INFORMATICS, BILLERICA, MA 09/2010 – 12/2012

The Medical Imaging platform provides doctors, researchers, and Perceptive imaging staff with a means to manage, review and assess images and clinical data gathered from study subjects during the course of a clinical trial. The platform supports research across a number of therapeutic areas, including oncology, the muscular-skeletal and nervous systems.

- Lead role in evolving the platform toward a more customizable architecture, allowing customized clinical trial applications to be developed more quickly and reliably.
- Designed and implemented multiple enhancements to core functionality relating to lesion assessment, a validation rules engine, data analysis and reporting and REST web services.
- Java, Tomcat, Oracle.

SENIOR SOFTWARE ENGINEER
VELA SYSTEMS, BURLINGTON, MA 09/2009 – 08/2010

Vela Systems provides a suite of construction field management software using iPads, PC tablets or smart phones backed by a web SaaS system.

- Focused on ETL, BI (Business Intelligence) and reporting features for the product. The reporting system provides home office teams and executives improved tracking, management and oversight of their construction projects; allows Vela executives to track and measure customer usage.
- Designed and implemented a data layer to encapsulate different versions of the product, allowing reports to retrieve data seamlessly from two disparate data warehouses and enabling a smooth transition from Vela's legacy product to their next generation architecture.
- Java, Jaspersoft/Jasper Reports, Tomcat, MySQL.

SENIOR SOFTWARE ENGINEER
PATIENTKEEPER, INC., NEWTON, MA 01/2008 – 02/2009

PatientKeeper is an open, extensible infrastructure for integrating, managing, developing, and deploying modern healthcare applications on top of disparate legacy systems across different organizations and data environments.

- Redesigned the eSignature processing for medical documents, providing a more flexible and robust set of capabilities. Implemented various other enhancements.
- Java, Hibernate, Tomcat, Oracle.

PRINCIPAL SOFTWARE ENGINEER
HOUGHTON-MIFFLIN CORP., BOSTON, MA 05/2006 – 01/2008

The Eduspace product is a web-based course content delivery platform, providing access to customized courses, assignments, assessments, tutorials and guided solutions.

- Developed multiple facets of the service layers supporting item preview and step-by-step guided solutions to questions; refactored common aspects, enabling use of shared code.
- Defined database mappings for a complex object hierarchy using Hibernate and Oracle.
  Maintained mappings for loading of content from XML files using JAXB.
- Java, Spring, Hibernate, JSF, XML, JAXB, Tomcat, Oracle.

SENIOR SOFTWARE ENGINEER
MFS INVESTMENT MANAGEMENT, BOSTON, MA 04/2004 – 05/2006

- Developed an automated system for generating and transmitting reports with different sets of transaction data, in different formats, for different clients and on different schedules. This system replaced dozens of special-purpose programs with one highly configurable, maintainable and efficient metadata (XML) driven process.
- Developed a customizable file translator for a standard payroll file format (SPARK) to the MFS internal format. Configuration rules defined the conversion process for each of the different plans. The system streamlined the time to develop importers for new external feeds to the MFS system