Alex Dana

Full stack engineer with a primary focus on backend development. Extensive experience using various Spring frameworks. Strong advocate for the benefits that test driven development and pair programming can bring to a team.

TECHNICAL SKILLS

Languages: Java, JavaScript/Typescript
Frameworks: Spring (Boot, Batch, REST Docs, HATEOAS, Cloud), JUnit, Cloud Foundry
Databases: DB2, MySQL, H2, MongoDB, Elasticsearch
Operating Systems: Windows, Linux, macOS
Tools: IntelliJ, Eclipse, Git, Bamboo, Studio 3T, Postman, Docker, ELK Stack, Maven, Jenkins
Methodologies: Agile, Scrum, Kanban, Continuous Integration, Test Driven Development, Pair Programming, Domain Driven Design
Testing: JUnit, Mockito
Data: JSON, XML, YML
Industries: Financial/Insurance, Legal

PROFESSIONAL EXPERIENCE

OPI (Hennepin County Justice Department) – Remote   **2020-2022**
Consultant/Senior Consultant

- Reduced dashboard load times from 30+ seconds to under 3 seconds allowing attorneys to more readily access case data in court.
- Created integration with suburban offices allowing attorneys to access cases owned and managed by non-Minneapolis offices.
- Designed and implemented a new archive process to cold-store unused court documents with complex legal retention requirements.
- Introduced feature to share court documents and notes between parties involved in the same case. This reduced overall storage needs and simplified the document process for users.
- Tools Used: Java, Spring, IBM MQ, MySQL, Jenkins, Synology, Angular

Principal Financial Group – Des Moines, IA   **2020**
Software Engineer III

- Engaged with Pivotal to bring modern development practices to the department. This involved the creation of a new transaction calculation product deployed on Pivotal Cloud Foundry using Java 8 with domain driven design and event-driven/microservice architecture practices.
- Automated the change management request system to allow for daily deployments to production. This also brought the release time of a completed feature down from 6+ hours to seconds.

- Mentored a team of interns. This involved providing guidance on test driven development and pair programming as well as technical assistance on developing cloud ready software.
- Tools Used: Cloud Foundry, Java, Spring, RabbitMQ, MongoDB, MySQL, DB2, Bamboo, Bash

Principal Financial Group – Des Moines, IA   2018 - 2020
Software Engineer II

- Introduced a DB2 data management plan using Docker which allowed for the recreation of historical marketer pay statements at will. This saved several hours of manual mainframe work each pay period.
- Created a proof of concept ELK Stack server via Docker which provided traceability and insight into user behavior of a web application used by external marketers. This quick experiment led the way to eventually provisioning a dedicated ELK Stack server for the department.
- Developed a modern ETL application in Spring Batch to move large amounts of DB2 data into MongoDB in a consumer-ready format.
- Tools Used: Java, Spring, ELK, MongoDB, DB2, Bamboo

Principal Financial Group – Des Moines, IA   2016 - 2018
Software Engineer I
- Created a validation tool using Ruby to determine marketers who failed to receive financial statements. This allowed for proactive resolution before the marketers were aware of the issue.
- Optimized a Java batch application reducing the time to generate PDF financial statements from 10+ hours to 2 hours.
- Provided around the clock support for multiple pay systems based in mainframe, Informatica, and Java.
- Maintained and developed additional features for a Java JSF based user interface which allowed advisors to view their compensation over time
- Tools Used: Java, Ruby, DB2, Bamboo, Informatica, Z/OS, JSF

EDUCATION

Iowa State University, Ames, IA
Bachelor of Science – Software Engineering