

David Durnell

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Summary

Experienced Software Engineer with extensive experience in core-java development, performance monitoring and engineering, and monitoring and analytics with Splunk. A proven track record of tackling difficult and wide-ranging problems across the entire software development life cycle. Seeking a challenging Data Science opportunity.

Summary of Relevant Accomplishments

Currently enrolled in the Data Science Bootcamp at the University of Denver to update my Data Science skills.

Three years working on Bank of America's largest splunk deployment at over 8 Terabytes a day. Specialized in unusual integrations and security requirements.

Developed core functionality for the Nexstar Mortgage Application and Bank of America eCommerce applications.

- Significantly improved the performance, reliability and processes of Bank of America eCommerce core java services and customer-facing web applications.
- Designed and implemented difficult integrations with various systems and java, using Web Services, CORBA, JNI, proprietary APIs, etc.
- Correlated data at JHU/APL between missile launches and accuracy, using Excel.

Experience

Bank of America, Evergreen, CO

1998 to 2014

Software Engineer

eComm Splunk Monitoring Team

- Implemented log file aggregation and analysis of eCommerce logs via splunk, supporting 1500 users and 7 Terabytes of data daily.
- Built splunk GUI applications for various functional areas.
- Developed build processes from prototype through production.
- Implemented a java interface with the Perforce code repository to help automate deployment.
- Worked with security and performance teams to develop appropriate dashboards and alerts.

Mobile monitoring testing - DeviceAnywhere lead developer

- Implemented production testing of Bank mobile applications using real remote mobile devices.
- Implemented production monitoring and alerting for Bank mobile applications using DeviceAnywhere.

Software Development Center of Excellence - Java Developer, Profiler, Performance Engineer

- Identified performance issues in core eCommerce code, helping to improve performance by 30%.
- Helped optimize eCommerce web pages, improving page load time by 40%.
- Drove performance processes and testing back into the development phase, for eCommerce.

Nexstar Performance Improvement - Java Developer, Profiler, Performance Engineer

- Profiled and troubleshoot core java functionality.
- Improved thread safety and reliability.
- Improved scalability 200%.

Java Developer and systems consultant

- Developed core functionality for a mortgage solutions web application.
- Developed a feature to extract data from printed forms (.prn files).
- Developed the interface to the Siebel CRM tool for data transfer with a java mortgage application.
- Designed and developed a custom web service interface to State Farm for mortgage applications.
- Developed a scalable, redundant, self-correcting interface with an Amzi Prolog rules engine, using CORBA.

Johns Hopkins University / Applied Physics Laboratory, Laurel, MD

1990 to 1997

SSBN Test and Evaluation Analyst - Software Engineer

Developed, modified and tested SSBN Weapon System evaluation software and databases.

- Data Analysis at JHU/APL correlating data between missile launches and accuracy, using Excel.

Education

University of Denver

Certificate: Data Science Bootcamp

May, 2020 (In progress)

<https://github.com/ddurnell>

Johns Hopkins University, Baltimore, MD

M.S., Computer Science

GPA: 4.0. Focus on OO, Artificial Intelligence and Security concepts

University of Colorado, Boulder, CO

B.S., Aerospace Engineering

Additional Skills

- Language experience with Python, Java, javascript, Excel, VBA, C++, C, shell, SQL, graphical programming, and more.
- OS experience with Windows, Linux, Solaris, IBM, HP-UX, SGI-Irix, and mainframes.