

Joe Davies

Seattle, WA
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Senior software developer and leader with proven experience in application development and management across all stages of the software development lifecycle.

EXPERIENCE

PayScale

Seattle, WA

Lead, Sr. Software Engineer

Mar 2020 - Present

- Led the Data Engineering team, responsible for productionizing the Data Science team's machine learning models, maintaining platform services, modernizing legacy systems, and managing the Snowflake data warehouse. Managed the team's deliverables using scrum.
- Led a project to release PayScale's crowdsourced compensation data API to paid partners. Developed an associated management framework in .NET Core comprising of an API and UI. Onboarded new clients, provided integration and post-sales support, developed usage reports in Tableau, and directed the development of the developer's portal.
- As part of HackDay, worked with peers from PayScale.com Consumer team to integrate my management API with a trial sign-up process for organic lead generation to complement existing cold lead generation. This project was well received, and it is being released to production.
- Ingested PayScale's Snowflake data warehouse metadata into an Azure Data Catalog by developing a migration tool.
- Supported and enhanced existing C# and Python Data Engineering products. Participated in on-call rotations.
- Developed Tableau dashboards to report on the Data Engineering team's platform spend to recoup costs through department chargebacks.
- Integrated new data sources into Snowflake using Fivetran and PayScale's ETL framework.
- Participated as hiring manager for Data Engineering team roles. Participated in HackerX and WomenHack events. Enhanced our HackerRank exercises.
- Defined quarterly team personal goal and OKR definitions. Held weekly 1:1 sessions with direct reports. Performed team performance reviews. Made yearly compensation and promotion decisions. Organized remote social activities.

Citco Fund Services

Charlotte, NC

Application Development Manager

Aug 2016 - Feb 2020

- Manager in Citco Software Group, working on multi-year project to migrate the Aexeo suite of applications from on-premises data centers to the AWS cloud.
- Led a global team responsible for automation and development of devops, CI/CD, user administration, and release management solutions using the AWS pipeline suite, Git, Jenkins.
- Integrated and managed an overseas development team.
- Managed the Regulatory Reporting development team who worked on integrating a data wrangling solution using Trifacta.
- Made hiring decisions, performed yearly performance reviews of direct reports.

Application Development Lead

Nov 2012 - Aug 2016

- Developed new application components for the Aexeo application platform.
- Developed various customer facing API components, supporting users in their integration and support.
- Participated in application audit, security and penetration test reviews.

Citco Fund Services**Halifax, NS***Junior and Senior Application Developer**Oct 2008 - Nov 2012*

- Developed and designed a plugin based, modular accounting platform application suite in Windows Forms using the DevExpress framework.
- Ported and modernized existing Delphi applications to the new platform.
- Directed UI design and usability decisions including the evaluation of various UI frameworks.
- Developed a CI/CD solution using CruiseControl.NET.
- Developed support applications to manage the system.

Conversys Inc**London, ON***Senior Developer**Dec 2005 - Aug 2008*

- Redesigned publishing engine in a service-oriented approach, providing horizontal scalability.
- Reengineered customer sites to be highly available especially on high-volume days, such as Boxing Day or Black Friday.
- Implemented unique solutions to solve performance and usability problems.
- Implemented software solutions in conjunction with the architect including technical research, and analysis of potential solutions.
- Played an active role in mapping customer requirements to technical solutions.

*Junior Developer**Feb 2004 - Dec 2005*

- Maintained software used in the layout of on-line circulars for retail customers.
- Migrated print layout software solution from VB6 to .NET.
- Designed and developed flyer sites for customers, liaising with third-party designers to provide consistent branding.
- Configured servers and networks in both the office and secure co-location facility.

EDUCATION

UNIVERSITY OF WESTERN ONTARIO**London, ON***Bachelor of Science Computer (2004)***UNIVERSITY OF WESTERN ONTARIO****London, ON***Bachelor of Engineering Science Computer Engineering (2003)***ADDITIONAL SKILLS**

- Strong in C#, .NET Core/Framework, Windows Forms. Experienced with Python.
- Cloud scalable solutions using Azure/AWS.
- CI/CD pipelines, devops, containerization
- SQL, RDBMS, Snowflake, ETL
- Agile, waterfall, and people management

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate
- Certified ScrumMaster (CSM)s