

# Alexander Feather

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## Technical Skills

ASP.NET, VB.NET, Java, HTML, CSS, JavaScript, JQuery, PHP, Python, Oracle SQL, MS SQL, MySQL, BASH, Shell Scripts, PowerShell, C++, Haskell, L<sup>A</sup>T<sub>E</sub>X, Prolog, Visual Basic, PERL and VBScript. Experience with Jira Issue Tracking, Cornerstone LMS and PMS, Deltek Finance Suite, Infor WFM, Github, Apache Subversion, Oracle Mid-Tier Products and WordPress CMS.

## Work Experience

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| 2015 - Present | <p>Programmer Analyst for DXC Bath Iron Works Account, Bath ME</p> <p>Primary Support role for multiple areas of the shipyard including the Learning Management, Work Authorization, Tool Management and Finance Systems.</p> <p>Technical Lead for multiple projects involving the systems, responsible for vetting products and creating interfaces between the different systems.</p> <p>Development was primarily done in Java, VB, VB Script, PowerShell, Shell, BASH, HTML Oracle SQL and MS SQL.</p> |
| 2014 - 2015    | <p>Application Developer for Fujifilm, Bedford MA</p> <p>Contract position to develop the Dternity Deep Archive Portal.</p> <p>Created Web Applications in ASP.NET using JQuery, JavaScript, CSS and MS SQL.</p> <p>Created scripts to perform automated tasks using Python and Shell scripts.</p>  |
| 2013           | <p>Web Developer Intern for BMighty2, Lincoln VT</p> <p>Developed small business websites using WordPress in a team environment.</p> <p>Created Websites, Widgets and Plugins using PHP, CSS, JavaScript, JQuery and MySQL.</p>   |

## Education

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| 2011 - 2014 | <p>BS Computer Science, Loughborough University, England</p> <p>Final Year Project was titled "The Implementation and Optimization of the SHA2 and SHA3 Hashing Algorithms" which involved implementing the SHA2 and recently chosen SHA3 algorithms in Java.</p> |
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## Project Highlights

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| 2018 | <p><b>Work Authorization Implementation</b></p> <p>Developed an interface that collected charges from multiple systems, validated the charges and then updated the WFM System with the charging information.</p> <p>The program was written entirely in Oracle SQL and would query millions of rows of data every 15 minutes with the goal of keeping the target system as up to date as possible, performance was a major factor in the implementation.</p> <p>Worked closely with the client to understand their needs as well as the vendor to understand the limitations of their product.</p> <p>Code was versioned using Apache Subversion and Issues were reported and tracked through Jira Issue Tracking.</p> <p>Design, Architecture and deploy documentation was created describing the technical and practical aspects of the program.</p> <p>Client was granted access to domain tables in order to give them control over how the program worked without having to make code changes.</p>                    |
| 2017 | <p><b>Cornerstone LMS and PMS Implementation</b></p> <p>Technical Lead on the vetting and implementation of the Cornerstone products as well as creating multiple interfaces between other systems in the shipyard.</p> <p>One interface was an Oracle SQL procedure that collected changes made to PeopleSoft and Active Directory so that a Java program could then send the changes to the Cornerstone portal using SOAP requests.</p> <p>Another interface was a Java program that used SOAP requests and Oracle SQL Queries to validate certifications in Cornerstone before sending the responses onto the Tool Management System in order to verify that users have the correct training before checking out specific tools.</p> <p>Also responsible for retrieving data from the old Learning Management System so that it could be uploaded into the Cornerstone LMS and PMS.</p> <p>Worked closely with the vendor to understand the limitations of their product as well as how to import data effectively.</p> |
| 2015 | <p><b>Fujifilm Dternity Deep Archive</b></p> <p>Developed the Dternity Portal Web Application using VB.NET, HTML, CSS, JavaScript and MS SQL.</p> <p>Customers would sign into the portal in order to view files stored in the archive as well as request data be made available to them.</p> <p>Python scripts were also created to perform automated tasks on the server such as synchronizing user accounts and creating segregated virtualized SFTP servers.</p>   |

## Extra-Curricular Activities

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|  | <p><b>Eagle Scout Award</b></p> <p>Achieved the rank of Eagle Scout by being heavily involved in my Boy Scout troop as well as completing an Eagle Project which involved fundraising for and building a brick firepit for East Boston Camps in Westford, MA.</p> |
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References available upon request