

Jeff Breadner B.A.Sc.

+1 520 344-0099
jeff@breadner.net

Experience Highlights:

Manager, Product Deployment:

- Oversee and direct work on our highest-risk projects.
- Manage a team of 3 senior engineers.
- Closely coordinate work and resources with other managers in our group.
- Work closely with our global support and product development teams in doing field tests for new products or major upgrades.
- Responsible for staying within budget, setting yearly budget for Product Deployment department.

Manager, Technical Services:

- Manage a team of up to 18 engineers and 6 hardware repair / hardware install personnel – more than half of the North American region.
- Prioritize and assign work, including software engineering and hardware install personnel for major installs and upgrades (\$1M - \$5M projects).
- Hire and train new staff.
- Develop and compile Key Performance Indicators to track staff effectiveness.
- Perform personnel reviews.
- Responsible for staying within budget, setting yearly budget for Technical Services department.

Technical Support:

- Provide 1st tier support to North American customers of Modular Mining Systems (MMS) 2002 - 2014.
- Am regarded as the key support resource for a number of products - Dispatch 5, PowerView, wireless networks.
- Very experienced in supporting all of Modular Mining's products deployed within the North America region.
- For more than five years, one of a team averaging two people on rotation to provide customer support 24/7/365 to most MMS customers and products in Canada.
- For seven years, one of a team averaging five people providing 24/7/365 support to all MMS customers in USA, Mexico, Columbia and Canada.
- Maintain an excellent, friendly rapport with all customers.
- Have taught most NA Dispatch Engineers how to maintain their systems, and have built most of their Dispatch and PowerView systems.

Data Analysis:

- Have developed and overseen long-running data analysis projects; monitoring the quality of data generated by our Dispatch system, investigating the problem data to identify the root cause of the problem, etc.
- Used a wide variety of data sources - MS SQL Server-based data, using shell scripts in Linux to generate data, moving them to MS SQL Server for aggregation, and into MS Excel for data visualization
- Have performed similar analysis on internal data -- how tickets are handled, looking for patterns in reported issues to find product defects, etc.
- Write data visualizations using Ruby on Rails and static JavaScript-based libraries, using 'sqlcmd' to generate JSON datasources on the fly to create constantly updating charts.
- Very skilled at moving through the entire problem statement - analysis design - data collection - analysis - presentation steps in performing an analysis.

UNIX/Linux Administration:

- Red Hat Certified Technician on RHEL5; certificate number 605007132713436.
- UNIX/Linux OS specialist in the North American region of MMS, with PI/GS and InfoTech routinely relying on my expertise.
- Deep experience using many Linux distributions (starting with Slackware 3.0 with kernel 1.2.13, recently focused on Red Hat Enterprise and Debian/Ubuntu variants) plus Sun Solaris 2.6 through 10 for Sparc processors.
- Built dynamic KickStart script framework to automatically install Red Hat Enterprise Linux and Dispatch, based upon input to an internal web page.

Trainer:

- Since 2014, teach 1-day data analysis class to students once per year. I developed and maintain all of the coursework.
- Since 2004, teach 1-day PowerView training course to clients once or twice per year plus custom content on site, I developed and maintain much of the coursework.
- Since 2005, teach 1-day UNIX (Rev-D) and 1-day Linux (MasterLink) administration courses to clients once or twice per year plus custom courses on-site.
- Taught other 1-day courses to internal personnel, like UNIX Shell Scripting.
- Often asked for help from new hires and experienced engineers alike; I'm happy to share knowledge and encourage others to learn.

Programming / Databases:

- Routinely code in Transact-SQL, Ruby / Ruby on Rails, MMS FORMS, and sh/bash shell script.
- Also work with C / C++, TCL/TK, Perl, Visual Basic, HTML, PHP and ASP.
- Routinely work with MS SQL Server 2000 - 2014 and MySQL 3.23, 4 and 5 databases.
- Revised and maintained mine databases for Gibraltar Mines (Informix 4GL) and Kemess Mine (MS Access 2000).
- Co-authored AI (genetic algorithm) optimal unit commitment software for BC Hydro in VBA / MS Excel 2000; this was presented at the Third International Conference on Intelligent Processing and Manufacturing of Materials (IPMM). http://jeff.breadner.net/work/AI/IPMM_Paper.pdf

Virtualization:

- Key member of team that designed standard VMware cluster solution for sale to clients.
- Designed and administer in-house VMware cluster used for testing and training purposes.
- Designed, deployed and maintain VMware solution to keep in-house designed RMA testing processes running after the aging hardware it was designed on was about to die.
- Actively work with VMware, QEMU/kQEMU and VirtualBox virtualization technologies.

Relevant Work History:

<i>July 2013 - Present</i>	<i>Modular Mining Systems Inc. (Manager, Product Deployment)</i>
<i>July 2010 – July 2013</i>	<i>Modular Mining Systems Inc. (Manager, Technical Services)</i>
<i>September 2008 – July 2010</i>	<i>Modular Mining Systems Inc. (Principal Project Engineer)</i>
<i>July 2002 – September 2008</i>	<i>Modular Mining Systems Canada, Ltd. (Project Engineer / Systems Integration Architect)</i>
<i>Summer 2001</i>	<i>Kemess Mine (Mining Engineering Student)</i>
<i>Summer 2000</i>	<i>Bullmoose Operating Corporation (Mining Engineering Student)</i>
<i>Summer 1998</i>	<i>Elkview Coal Corporation (Mining Engineering Student)</i>
<i>Summer 1993</i>	<i>Gibraltar Mines (Mining Engineering Student)</i>

Relevant Education:

<i>1998 - 2002</i>	<i>Mining and Mineral Process Engineering – Mining Option University of British Columbia (Vancouver, BC, Canada)</i>
<i>1996 - 1998</i>	<i>Mining Technology British Columbia Institute of Technology (Burnaby, BC, Canada)</i>

Continuing Education:

- 2010 Dale Carnegie High Impact Presentations
- 2009 VMware 3.5-4.0 Condensed Accelerated Immersion
- 2007 Red Hat Networking and Security Administration (RH253)
RHCE Rapid Track (RH300)
- 2006 Querying Microsoft SQL Server 2000 with Transact-SQL (MS-2071M)
Crystal Reports – Report Design I and II (RD110R2/RD210R2) (customized)
- 2005 Cisco Aironet Wireless LAN Fundamentals and Site Survey (AWFSS)
- 2004 Programming a Microsoft SQL Server 2000 Database (MS-2073)
Designing and Implementing OLAP Solutions using Microsoft SQL Server 2000 (MS-2074)