

Eugene Roeder

18517 McGloin Trail
Austin, TX 78738
217.714.8129

CAREER OBJECTIVE:

With a background in computer science and MIS, I have successfully led software and hardware infrastructure teams while managing business aspects of high tech commercial and governmental organizations. I provide a wide breadth of knowledge across applications, hardware, networking, security and performance related tuning efforts that would be beneficial to enhancing and driving world class enterprise systems to the next level.

EDUCATION:

MBA (May 2010)

University of Illinois Urbana-Champaign; Champaign, Illinois

Masters Certification in Software Engineering (May 2003)

University of Illinois Urbana-Champaign; Champaign, Illinois

Bachelor of Science in Management Information Systems (May 2000)

Millikin University; Decatur, Illinois

CAREER

EXPERIENCE:

Site Reliability Engineer/DevOps Engineer (Private/Public Cloud Infrastructure) (June 2020 - Present)

Unity Technologies; Austin, Texas

- Worked with GKE, Azure, AWS, Alibaba public cloud and OpenStack private cloud environments to build custom voice communication applications for gaming platforms.
- Utilized terraform, puppet and bicep for infrastructure automation efforts for customer environments.
- Used Grafana, Xymon, ELK stack and Zabbix for alerting and monitoring efforts to ensure customer environments maintained 99.99% availability levels.
- Use Atlassian products for documentation (confluence) and project tracking efforts (Jira)
- Was able reduce customer buildout timeframes from 1 week to 1 day utilizing automation and green light checklist automation efforts.

Site Reliability Engineer/DevOps Engineer (Private/Public Cloud Infrastructure) (March 2018 - June 2020.)

IBM; Austin, Texas

- Managed 6100+ private cloud servers
- Administer public and private cloud environments
- Supported IBM CIO applications by maintaining rigorous SLA's for system uptime, security mitigations and upgrade completions.
- Worked with 20+ data centers managing hardware and software related issues.
- Utilized Service Now to track tickets and change management
- Worked with OpenShift, Kubernetes, Docker and other middleware applications in a SaaS environment.
- Utilized Ansible, BigFix and Chef to push patching/deployments and upgrades to targeted servers.
- Setup and admin for monitoring and logging services such as Carbon Black and New Relic
- Administrator for both Linux and Windows based solutions
- Performed security audits and fixes for ITSS vulnerability scans
- Implemented network and firewall configurations for server provisioning
- Mounted physical and logical disk volumes for customers.
- Performed performance related analysis of SaaS platform in IBM Cloud environments (network, memory, IO bandwidth and disk utilization)

- Automated disk allocation/utilization script (Python) which interface with the IBM cloud API
- Installed and configured EVault backups and performed data restoration efforts from saved backups
- System monitoring and alerting setup and configurations of Datadog, New Relic, Dynatrace and OpsGenie
- Utilized Bicep for infrastructure setup/deployment into Azure Cloud to handle Kyndyl spinoff efforts.

System Performance Engineer/Software Developer (Compilers and Post Silicon Validation) (Jun 2012 – March 2018.)

Intel; Champaign, Illinois and Austin, Texas

- Managed server and hardware in parallel runtimes lab
 - Procured and setup new beta test servers
 - Linux provisioning/deployments and upgrades
 - SuSE
 - Red Hat
 - SVOS (synthetic Linux distro based off of clear Linux)
 - Ubuntu
 - Windows provisioning/deployment and upgrades
 - Bare metal Installation
 - ESXi
 - Hyper-V
 - Installation of middle ware applications for performance testing
 - MPI
 - Threading Building Blocks
 - Intel Parallel Studio
 - Setup of middleware of cluster system (share memory/distributed memory)
- Managed centralized storage, virtualization and batch processing sessions
 - Configured NAS and SAN storage volumes for customers and projects
 - Extended site syncs and mirroring for performance enhancements
- Worked with AWS on deploying open source project websites of TBB/OpenMP/Cilk Plus.
 - www.cilkplus.org
 - www.threadingbuildingblocks.org
 - www.openmptl.org
- Maintained pen testing and security standards of all external facing open source sites, which also needed to comply with GDPR standards
- Handled backup, production promotion of testing files and security related issues for Linux environments
- Managed business development and program management plans for product suites (Cluster Studio XE, Parallel Studio XE)
- Worked on application performance improvements using VTune, AppDynamics, Dynatrace and Introscope

Senior Research Programmer (System Engineer / Site Developer / Administrator) (Oct 2009 – Jun 2012)

Jimmy Johns Corporate Headquarters; Champaign, Illinois

- Wrote an enterprise application in .NET which was tied to Active Directory to store and track financial, real estate, construction metrics in order to develop a data warehouse to base regression modeling.
- Worked on administration of Linux IDS system.
- Administration of MS SQL databases for all software projects
- Worked with functional groups to design, develop, and test a made from scratch Enterprise System.
- Developed and Implemented development life cycle policies that made all bug fixes and enhancements traceable to each given release.
- Wrote application utilizing file maker and pronto forms to mobilize the construction and real estate teams with Ipad applications. This helped streamline site approvals and final walkthrough inspections for each department
- Developed vision and growth maps for the IT department. This was utilized for staffing and resource allocation by the president and board staff.
- Completed an auditing program written in C# to help streamline the auditing of each franchisee weekly financial statements. This helps reduce the HR department staffing for 1/3 the size of the original process.
- Worked with outside vendors in maintaining PCI compliance on developed POS system

- Worked on a marketing request system and complaint tracking system that helped tie all of the information into a central SQL database. This information was then tied to a centralized portal for all department heads to utilize in their daily operational tasks.

Senior Research Programmer (Technical/Program Lead) (May 2005 – October 2009)
University of Illinois - CITES and NCSA; Champaign, Illinois

- Wrote an OU Administration Tool (Web Based) for Active Directory system in ASP.NET
- Utilize IBM Tivoli Directory Integrator to develop a staff/student central LDAP registry for provisioning services.
- Participated in the University's RFE process for the purchasing of IBM Tivoli Directory Integrator.
- Wrote Java thread process to improving Oracle and JMS information processing.
- Changed the processing of Oracle database queries to improve query performance by utilizing temp tables.
- Wrote a process to migrate class roster data from Oracle and SQL Server databases into Active Directory system.
- Provided input to improve code development processes which were rudimentary at the start of my employment at CITES.
- Utilized a SOAP server to capture asynchronized JMS messages for real time processing of admitted students into the LDAP provisioning system.
- Helped with the project management and costing setup structure for VMWare services that will be offered to campus units.
- Chaired employee search committee processes.
- Migration of processes from old QI/PH system to new central registry LDAP.
- Wrote password management and student information update websites which were web based.

Software Engineer – SCM Engineer (August 2006 – May 2008)

US Cellular Corp; Bensenville, Illinois

- Migrated CARES, CARES Onlines, and web application into IBM ClearCase system from a CVS and PBNative repository.
- Managed and developed request for purchase for the licensing of IBM ClearCase and ClearQuest systems.
- Bought a sight wide license for ClearCase and ClearQuest systems for US Cellular.
- Attended IBM POC (Proof of Concept) seminars for the handling of the ClearCase and ClearQuest systems.
- Wrote a binary identification script that helps identify code source files built into production binaries.
- Streamlined the Powerbuilder building, packaging, and deployment process.
- Improved the RQL/SQL domain system to track database changes made to the CARES system.
- Served as the primary build support technician for developers when they encountered SCM software issues or compilation errors.
- Integrated IBM ClearCase and ClearQuest system to track coding problem reports and features for specific releases.

SCM Software Consultant (December 2004 – May 2005 & April 2006 – August 2006)

Alliance Telecomm.; Gurnee, Illinois

- Wrote scripts to automate binary comparison for SOX compliance efforts.
- Changed the underlying CVS repository system to enable parallel development.
- Handled daily build operations for C, Java, and Powerbuilder languages.
- Optimized build process to improve overall application performance
- Migrated build process from a N-Class HP system to a V-Class HP system.
- Reworked make file process to enable faster build times for US Cellular's applications.

Software Engineer (August 2000 – October 2004)

Amdocs Inc.; Champaign, Illinois

- Wrote Unix/PERL Menu and wrapper scripts for end user interaction to manage automated regression testing efforts.
- Data Layer development to support 3 layer application development (Pro C).

- Coded migration efforts from Mainframe Cobol system to HP Unix platform for Nextel, Cingular, and Sprint.
- Optimized binary and system performance by restructuring make files and build processes to strip out debugging flags.
- Improved performance of database lookups by implementing indexes and binary-tree search methods for data.
- Oracle SQL used with scripting and Pro C development to provide data extraction.
- C and C++ were used in customization efforts. (Focus was on File I/O's for wireless telecommunication switches.
- Wrote customization logic to automate disk space utilization which was dependent on disk threshold tolerances that were defined in Oracle tables.
- Migrated code from HP system to an Itanium system
- Helped manage by giving level of efforts analysis. (PMP methods).