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**PROFESSIONAL EXPERIENCE**

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**Senior Member of Technical Staff**

**Oracle America Inc**

**Feb 2022–**

Data Security Team – Zero Trust Packer Routing

- Orchestrated ZPR CP infrastructure setup, ensuring seamless deployment and maintenance of infrastructure components, including servers, databases, and networking.
- Drove the ZPR Onboarding to POES Automated Host Patching initiative, enhancing system efficiency and security.
- Spearheaded Terraform updates for ZPR and security attributes, ensuring timely delivery of critical changes ahead of General Availability (GA) dates.
- Led Disaster Recovery testing for ZPR control plane in OC16, ensuring system resilience and minimal service disruption.
- Authored After Action Reports and developed Customer Communication Preparation runbook to optimize service impact management during critical incidents.
- Implemented ZPR Tag Group API and Tag Definition DAO/API, working closely with engineering teams to ensure functionality and seamless integration.
- Led unit and integration testing efforts, enhancing the reliability and performance of API components.
- Enhanced integration tests for IDDP IAM and ZPR clients, ensuring cross-system compatibility and security.

OCI Bastions Team

- Designed and implemented high-performance ZTB LSE Caching mechanism, optimizing data retrieval efficiency and system performance.
- Managed and implemented Bastion Terraform Provider updates, improving internal workflows and regional bastion deployments.
- Completed thorough reviews of critical operational documents, including Regional Bastion LDAP password rotation design and Bastion Terraform Support Improvements.
- Identified gaps and led improvements for regional bastion capabilities, including alarm label enhancements and SSH config updates for streamlined operations.
- Played a key role in OB4/ZTB Chaos Lab tests, identifying failure points and creating test scenarios to improve fault tolerance and system resilience.
- Collaborated with compliance teams to refine STIG profiles, reducing security vulnerabilities and OpenSCAP SC tickets.
- Authored detailed migration plans and supported STIG compliance, collaborating with cross-functional teams for timely delivery.

**Engineering Software Senior**

**Motorola Solutions**

**June 2014– Feb 2022**

Control Centre Team – ASTRO Console Team

- Developer for call processing features - implemented voice communication features designed to operate in a mission critical environment using C, C++, DCOM, MFC and multithreading techniques.
- Developer for call processing features and broad spectrum of the dispatcher call processing model (network communications (TCP/IP protocols), audio processing, audio hardware peripherals).
- Involved in public safety system integration with the LTE systems for Motorola dispatch console.
- Facilitated customization of systems by encouraging software engineering team to adopt emerging standards for software application development architecture and code validation.
- Introduced methodologies and best practices that enhanced code testing, and customization of testing applications for the developers.
- Integrated Motorola services with Kong API Gateway for single point of authentication and logging.
- Unit Test/Component test / Regression test expert - very successful in taking legacy applications and adapting them to fit into an object oriented environment.
- Implemented CI/CD pipelines to automate testing and promotions of different software components for Zero defect policy.
- Worked on 'The Alpha program'- where it is an opportunity for employees to pitch, develop and showcase ideas that will grow Motorola's business and was involved in development of platform-independent interface to a Console.

- Tools Used: Visual Studio 2010/13/17, CentOS and Red Hat Enterprise Linux, OpenShift, Concourse.

**Software Developer****Infosys Limited****July 2010 – Aug 2012**

- Involved in projects involving C, C++, .NET C# and SQL-Server.
- Worked on C++ using smart pointers and various design patterns. Worked on memory leaks on the project.
- Handled and used different kinds of RDMS (MySQL, Microsoft Access, MS-SQL, and Oracle).
- Done RCA (Root Cause of Analysis) by reviewing the code, studying the log files.

**EDUCATION**

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**Chicago, IL****University Of Illinois****Aug 2012 - May 2014**

- Master in Computer Science, GPA: 3.67
- Graduate Course Work: Software Engineering , Query Processing in Database, Data Mining and Text Mining, Information Retrieval, Natural Language Processing, Artificial Intelligence, Computer System Security, Distributed Computing Systems, Algorithms.

**Bangalore, India****M.S Ramaiah Institute of Technology****Sep 2006 – Jun 2010**

- Bachelor of Engineering in Computer Science, Percentage:77%
- Undergraduate Course Work: Software Engineering, UNIX and Shell Programming, Software Architecture, Object oriented programming with C++, Computer Networks, Data Structures, Database Management systems, Operating systems, Data Mining, System Modeling and simulation and Software testing.

**Mysore, India****Education and Research Department, Infosys Limited****Aug 2010 – Dec 2010**

- Software Programming – CGPA 4.82/5.0

**SKILLS AND AREA OF EXPERTISE**

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- C++, C, Python, Unix Shell Scripting, JavaScript, Kafka and Zookeeper, redis, C#, .NET, SQL, MySQL, HTML.
- Open Shift Cluster and Containerized deployment, TCP/IP protocols, CentOS and Red Hat Enterprise Linux, Bit bucket, Jira, Concourse CI/CD, Helm charts, Microsoft SQL Server, Visual Studio.

## TECHNICAL EXPERIENCE

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### Projects

- **Sentiment Analysis and Opinion Mining of Microblog Data** **Jan 2014 – May 2014**
    - Developed a Naïve Bayes and Support Vector Machine classifier using Python and NLTK to analyze the collective sentiment of review forums/blogs using forum/blog data.
  - **Sequential Pattern Mining** **Jan 2014 – May 2014**
    - Implemented Python application to mine sequential patterns (MS-GSP) with multiple minimum supports in Transactional data.
  - **Automated Essay Grader** **Jan 2013 – May 2013**
    - Automatic Essay Grader is a system that scores and evaluates essays.
    - Used Natural language processing techniques to implement “Automatic Essay Grader”; C++, Eclipse, OpenNLP libraries (Natural Language Processing Libraries).
  - **Tune Guru - Music tutor** **Sept 2012 – Dec 2012**
    - Objective was to help in providing an efficient way to learn music.
    - Real-time feedback made available for student learning through this application. C++, QT (framework), MIDI (Musical Instrument Digital Interface).
  - **Construction of dictionary of support words and dispute words.** **Aug 2013 - Dec 2013**
    - Technology Used: C++, WordNet API.
    - The dictionaries were constructed from a few seed support words and a few seed dispute words, using WordNet’s features like Hypernyms, Hyponyms etc.
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