ROBERT LEE LOUNSBURY JR.
OCA Java SE8, CISM, CISSP, MS, MBA
936-701-1035 | roblounsbury@duck.com

Summary

- Cloud and Software Engineer / Architect seeks remote opportunities in a DevOps setting
- Adept at learning new technologies and skills quickly
- Strong soft skills both working within teams and at 'C' level
- Dedicated | Critical Thinker | Team Player | Results Driven

Technologies and Skills

- AWS / Cloud
- Java / J2EE
- Spring MVC
- Spring Data JPA
- OOP / OOD / TDD
- GraphQL
- GitLab / GitHub

- Jenkins
- DevOps
- Kubernetes / Helm
- FluxCD / Automation
- Docker / Containers
- Terraform / Terragrunt
- Infrastructure as Code

- Node.js
- REST APIs
- Microservices
- XML/SOAP
- Agile / Scrum
- Linux
- Tomcat

Work Experience

Devo Technology, Cambridge, MA | Cloud Engineer | 4/2021 – Present
- Cloud engineer supporting complex Linux based SaaS log aggregation and security operations platform - architecture, deployment, and operations of offerings on AWS
- Reviews existing legacy based deployment patterns and architecture, redesigns and deploys in Kubernetes environment
- Utilizes DevOps practices and tooling to include agile methodologies, git, Gitlab CI/CD, Kubernetes, Docker, Helm, FluxCD, Terraform, Terragrunt, Hashicorp Vault
- Troubleshoots applications running on Java, Node.js, JavaScript
- Database experience with MySQL, DynamoDB, Oracle
- Experience implementing automation using bash scripting, AWS cli commands, kubectl cli commands, and Python boto3 library
- Uses git and GitLab for central code management
- Supports both traditional Linux based infrastructure as well as Docker containerized environments running on Kubernetes
- Trains junior team members on security, operations, software, automation, devops
- Remote worker familiar with Slack, Google Meet, Zoom, Jira, Confluence, Microsoft Teams, Microsoft 365

Insight Global, St Louis, MO | Senior Cloud DevOps Engineer | 9/2020 – 9/2021
- Web Services architect and DevOps engineer consultant assisting in modernization of an Army financial management system used throughout the DoD

- Key in iterating on initial DevOps pipeline implementation to improve developers ability to rapidly move code through the software development lifecycle
- Led migration of program DevOps pipeline to Enterprise tooling - from GitHub, Jenkins, Ansible, Artifactory to GitLab, Jenkins, Artifactory
- Led the analysis of the program's ability to consume and transition interfaces to modern secured RESTful and Simple Object Access Protocol (SOAP) web services using Java running on Tomcat
- Provided detailed documentation of services and processes
- Technologies include Java 11, servlets, Apache Tomcat, Apache CXF, Spring Framework, Hibernate, Python
- Maintained a local containerized environment running on Docker supporting development for Jenkins, GitLab, and Chef
- Remote worker

Booz Allen Hamilton, O'Fallon, IL | Software Engineer | 9/2019 – 9/2020
- Modernization team member for a multi-site Java and Oracle 12c based web application
- Transitioned interfaces to Services Oriented Architecture (SOA), SOAP and XML based service improving security and reducing overhead
- Implemented microservices architectures promoting loose coupling and flexibility
- Technologies include Java 11, servlets, Apache Tomcat, Apache CXF, JAXWS, JAXRS, Spring Framework, Hibernate, Oracle stored procedures, Oracle Weblogic
- Evaluates and resolves security vulnerabilities from Micro Focus Fortify Static Code Analyzer
- Demonstrates excellent communication skills across development tool sets including JIRA, Slack, Skype, Confluence, Yammer, as well as agile scrum activities
- Performed development remotely on Amazon Web Services as well as company on-prem environments via VPN
- Championed the adoption of new technologies for application modernization to include GraphQL and TypeScript
- Developed frontend application using React, GraphQL, Apollo, Node.js, and Express all being implemented as part of application modernization
- Hybrid transitioned to remote worker

Skill Distillery, Denver, CO | Full-Stack Software Development Course | 3/2019 – 7/2019
- Developed multiple full-stack web applications using Java SE 8, Spring, and Hibernate
- Wrote TypeScript and JavaScript building client-side user interfaces
- Wrote RESTful application programming interfaces for external consumption
- Code developed using test driven development approach with JUnit Jupiter
- Participated in agile scrum methodology as a developer and database administrator
- Worked as a team member using Slack, Trello, and pair programming
- Achieved Oracle Certified Associate Java SE 8 at 6 weeks into the course
- Visit my GitHub site at: https://github.com/robrides

Enhanced Veterans Solutions Inc. | Senior Technology Director and Senior Systems Administrator | 5/2018 – 2/2019

- Led 40 systems administrators supporting 12 Air Mobility Command (AMC) Command and Control (C2) enterprise level systems at three distributed data centers
  - 3 teams, 10 enterprise level applications plus multiple infrastructure systems providing 24 / 7 / 365 support
- Worked closely with application developers to install, upgrade, and maintain enterprise level applications using a wide range of technologies
- Implemented application and infrastructure upgrades as well as security patches
- Provided feedback to the customer for process and system monitoring enhancements targeted at improved system reliability, availability, and maintainability
- Championed reorganization to ensure the highest level of contract performance
- Wrote employee appraisals and recommended appropriate salary increases

NetEffects Inc. | Process Engineer | 4/2018

- Used knowledge of Capability Maturity Model Integration (CMMI) to guide process improvement for software development supporting six US Air Force fixed and rotary winged aircraft as well as missile software development efforts

Independent Contractor | IT Consultant | 11/2017 – 3/2018

- Recommended enhancements to proprietary software guiding the product development team
- Assisted clients with infrastructure engineering, project decomposition, and project support estimates
- Analyzed and reported on past work efforts
- Assisted in building service catalogs, and recommended process improvement initiatives to facilitate timely and accurate project estimates
- Assisted with ISO and CMMI process identification, development, and refinement to support IT engineering services

TRI-COR Industries, Inc., Alexandria, VA | Contract Deputy Program Manager and Chief Systems Engineer | 08/2013 – 10/2017

- Led 182 personnel supporting 12 programs across Air Mobility Command and U.S. Transportation Command (USTRANSCOM)
- Oversaw agile and waterfall software development methodologies with respect to configuration management, government acceptance testing, enterprise architecture, cloud migration preparation, functional testing, integrated services, testing, fielding, and operational tier 3 support
- Oversaw all enterprise infrastructure services and support in accordance with Air Force Instructions and DISA guidance, as well as industry best practices, processes and procedures
- Provided engineering level support to USTRANSCOM's Sprint to the Cloud initiative for AMC MAF C2 Systems transition phase and worked closely with the REAN Cloud team

- Assessed risk and impact to system security and accreditation in accordance with DISA STIGs, IAVAs, and TASKORDs
- Identified, recommended, and oversaw mitigation implementation
- Prepared and presented reports and briefings to all levels of staff and management which included recommended courses of action, technical solutions, project status, technology forecast, weekly and monthly activity reports, and discussions with various working teams
- Represented the contract at technical, staff, and CIO level meetings

Independent Contractor, Belleville, IL | Project Manager | 05/2013 - 08/2013
- Independent Contractor to CenturyLink Technology Solutions (Formerly SAVVIS)
- Project manager supporting DISA FedRAMP commercial cloud service provider accreditation
- Led three cross functional teams through the product development process for CenturyLink Technology Solutions products to achieve quality, time to market, and volume
- Conducted extensive interviews with subject matter experts to include network infrastructure, security, systems management teams identifying gaps and documenting process, procedures, and policy related to security
- Established security documentation in line with CenturyLink's practices to meet FedRAMP requirements

ExecuTech Strategic Consulting, Woodridge, VA | Information Assurance Analyst IV | 11/2012 - 05/2013
- Provided certification and accreditation support to the Air Force Certifying Authority (AF-CA), Air Force Network Integration Center, Scott AFB, IL in the development of security and contingency plans documentation
- Analyzed application and system architectures, policies, and procedures against DISA STIGs and other DoD security guidance providing recommendations for mitigating gaps
- Prepared application and network security documentation using information obtained from Information Assurance Managers in accordance with DoD Information Assurance Certification and Accreditation Process (DIACAP) and AF guidelines
- Provided information assurance support for the development and implementation of security architectures to meet new and evolving security requirements using knowledge of IT application software design principles, methodologies, and approaches used in developing, coding, testing, and maintaining applications software that support functional requirements

US Air Force, Scott AFB, IL | Division Chief, Technology and Interoperability Facility |2011 - 2012   Air Force Network Integration Center
- Directed 13 personnel in the operations and maintenance of a $50M, 15K square foot terrestrial, and airborne computer network test facility
- Teamed with customers in reviewing and approving project support agreements for network engineering, integration, and interoperability testing of various applications

- Managed $2.97M operations and maintenance budget; lobbied for additional funding as needed
- Developed processes to validate portions of the Air Force's implementation of the DoD certificate of networthiness criteria
- Used written and oral communication skills to develop contract statements of work
- Led and effectively represented IT specialists at conferences and meetings
- Prepared and presented position papers on current status and future test facility capabilities
- Conducted written performance appraisals, feedbacks, and mentored military and civilian personnel on professional and personal growth that contributed to Air Force goals / values

US Air Force, Transit Center Manas, Kyrgyzstan | Deputy Commander | 2010-2011
376 Expeditionary Communications Squadron
- Directed engineering, installation, operations, and maintenance of entire communications squadron - 79 military and contractor personnel supporting 17 functional areas
- Promoted teamwork in a diverse environment
- Ensured confidentiality, integrity, and availability of classified and unclassified, system, networks, and data
- Teamed with other units on the installation to ensure solutions met customer requirements
- Communicated effectively, both orally and in writing
- Analyzed alternative approaches and advised management regarding major IT issues, problems, and concerns
- Oversaw network operations center and IT helpdesk operations analyzing customer problems and providing assistance to include:
  - Systems administration, troubleshooting support, user account support
  - Resolving workstation security issues such as viruses, worms, and spyware
  - Creating backup files for users on workstations and servers
  - Performing installation and configuration of complex software and wireless networks
- Developed contingency plans in the event operations would need to be relocated
- Advised leadership on human resources and systems/network health and status

US Air Force, Scott AFB, IL | Executive Officer | 2009–2010
Air Force Network Integration Center
- Managed Assessment and Validations Directorate actions to include higher headquarters tasks, workflow processes, senior leader meetings, and executive correspondence spanning 4 divisions
- Led 6 member staff overseeing executive operations support for up to 1.2K employees
- Ensured adherence to the DoD Information Assurance Certification and Accreditation Process for all systems requiring access to Air Force networks; processed 120 systems monthly
- Led 6 member staff overseeing executive operations support for 320 member directorate, processed 3K messages and 160 appoints monthly, and acted as a key advisor for information assurance senior leaders

- Supported DoD/Government customers across the Air Force for systems seeking connection to the Air Force Network

US Air Force, Scott AFB, IL | Lead Command Manager | 2009
Air Force Network Integration Office
- Engaged with customers to identify and advocate identity management requirements, tracked program implementation, formulated/interpreted policy
- Coordinated implementation of Defense Biometric Installation Defense System base access program at Scott AFB securing entry control and reducing operating costs by 75%
- Led in-depth analysis of Air Force biometrics requirements and advocated to Biometrics Task Force

US Air Force, Fort Monroe, VA | Watch Officer | 2008-2009
Joint Task Force Civil Support
- Led the Joint Communications Control Center and served as Northern Command Situational Awareness Team alert member providing 24/7 emergency capability to respond to chemical, biological, radiological, nuclear, and high-yield explosive incidents in the Northern Command area of responsibility
- Built and deployed communications readiness tracking tools ensuring effective command and control for 5K joint force members
- Designed and built an integrated and cohesive training plan to ensure maximum team readiness for response to catastrophic events
- Spearheaded the establishment of directorate procedures to provide communications readiness status for a 4,500 member DoD consequence management response force

US Air Force, Scott AFB, IL Network Accreditations OIC | 2007-2008
Air Force Network Integration Office
- Led the Air Force in establishment of network enclave security certification and accreditation (C&A)
- Chaired an Air Force wide network working group establishing security controls for target architecture leading to certification and accreditation of Air Force gateway routers
- Established standardized network security practices protecting over 200 network enclaves
- Ensured information technology security principles, concepts, practices were followed to enable successful security certification and accreditation of Air Force gateways adhering to the DoD Information Assurance Certification and Accreditation Process (DIACAP)
- Served as the first Air Force Cyber Command Provisional portfolio manager centralizing network circuit approval data speeding operational communications support for over 200 networks

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US Air Force, Gunter Annex, AL | Crew Commander | 2004-2005
Air Force Network Operations & Security Center, Headquarters Standard Systems Group

- Led 7 military and 24 contract personnel in the Air Force's control center for network operations and security
- Proactively monitored global Air Force classified/unclassified network comprised of over 400 service delivery point routers; reduced monthly outages 30% guaranteeing wartime data flow to 453,000 users at over 99.8% availability worldwide
- Operated and secured global Air Force data network comprised of 1,600 unclassified and classified network routers through the implementation of sound security principles
- Tested Air Force virtual private network (VPN) monitoring software for VPN tunnel health; saved over $50K per year in software maintenance costs
- Programmed and implemented automated searchable record of event log database; eliminated archaic text documents and increased data retrieval efficiency by over 100%

US Air Force, Gunter Annex, AL | Chief, Portfolio Management Section | 2003-2004
Installation and Logistics System Program Office, Headquarters Standard Systems Group

- Provided information technology support for Headquarters (HQ) US Air Force Installations and Logistics (IL) IT portfolio management (PfM) process
- Coordinated PfM and enterprise architecture efforts between HQ Electronic Systems Center IL and HQ Air Force Materiel Command program offices
- Designed, developed, and maintained IT systems used to manage US Air Force IL's IT portfolio in response to the Federal Information Security Management Act (FISMA)
- Assisted system program office and Air Staff personnel with capital investment reporting
- Led a 5-person software development team in the design, development, and implementation of a Portfolio Management Tool IT registry system from initiation, planning, executing, monitoring and controlling, through to closing; saved $700K over outsourcing

US Air Force, Gunter Annex, AL | Program Support | 2002 - 2003
Installation and Logistics System Program Office, Headquarters Standard Systems Group

Student, Adelphi, MD | University of Maryland University College | 2001 - 2002

US Air Force, various | Cable and Antenna Systems Journeyman | 1991-2001

Job Related Training and Certification

1. Oracle Certified Associate Java SE 8 Programmer, 2019
2. ISACA Certified Information Security Manager (CISM) #1322726, 2013
3. Exin Information Technology Information Library (ITILv3) #4489906, 2012
4. Integration and Interoperability Testing, Randall Rice, CTAL, 2012
5. (ISC)2 Certified Information Systems Security Professional (CISSP) #435272, 2012
6. IT Project Management Seminar, National Defense University, 2012

7. IT Project Management, Course 2819, Global Knowledge, 2011
8. DoD Information Assurance Certification and Accreditation (DIACAP) Validator Course, 2008
9. Systems Engineering for JC4I Systems Managers, 2006
10. AWS Certified Solutions Architect Associate (CSA-A), 2018 (Expired)

Technologies Managed

- F5 BIgIP Load Balancers
- Check Point Firewalls
- Cisco Switches and Routers
- Talend Data Integration
- VPNs
- SOA
- Apache Tomcat
- Windows Servers
- Red Hat Enterprise Linux
- Build Automation
- Automated Backups
- MongoDB
- JBoss
- Hazelcast In-Memory Data Grid
- Oracle Databases
- Active Directory
- IBM Security Access Manager
- IBM Datapower XML Firewalls
- Tennable Nessus

Education

- ***Naval Postgraduate School, Monterey, CA | Master's Degree 09/2007***
Major: Systems Technology Command, Control, Communications / Joint Command, Control, Communications, Computers and Intelligence (JC4I)

- ***Touro University International, Cypress, CA | Master's Degree 09/2007***
Major: Business Administration **Minor:** IT Management **Honors:** Magna Cum Laude

- ***University of Maryland University College, Adelphi, MD | Bachelor's Degree 05/2002***
Major: Computer and Information Science **Minor:** Management **Honors:** Cum Laude

Coursework:

- Internet, a Practical Guide - HTML Scripting
- Intro to Programming - C++
- Computer Systems & Architecture
- Relational Databases - Oracle and SQL
- Intro to Visual Basic Programming
- Unix with Shell Programming
- Data Structures and Abstraction - C++
- Programming in Java
- Programming in Perl

Community College of the Air Force, Maxwell AFB, IL | Associate of Applied Science 02/2001
Major: Electronic Systems Technology