Python Developer Python Developer Test Automation Engineer - BIT Systems Broomfield, CO Author scripts and microservices in Python   Experience testing web services using SoapUI and Parasoft SOA test tools   Use Docker containerization to build and execute software programs and scripts   Experience with Jenkins build automation infrastructure   Perform integration, validation, verification, and regression tests in Agile software development environment   Draft and execute requirements-based test procedures on large software development programs   Utilize XSD and WSDL data schemas to validate Web Service payloads   Document DRs and perform version control of test procedures in IBM Rational Team Concert, ClearCase, and ClearQuest   Familiarity with Model View Controller (MVC) design pattern   Experience performing queries in a relational database environment with SQL, PostgreSQL, and Django   Proficient in Linux/UNIX and Windows environments to include MS Word, Excel, PowerPoint, Project, and Visio   Excellent critical thinking, troubleshooting, and written communication skills Authorized to work in the US for any employer Work Experience Python Developer BIT Systems - Aurora, CO March 2018 to Present   Write and test RESTful microservices in Python using Docker containerization in Linux environment   Perform push, pull, add, and commit requests in Git source control tool   Create, modify, and query Postgres databases using SQL and Python   Assist training of machine learning algorithms as human-in-the-loop for active learning operations   Perform all duties in Scaled Agile Framework environment (SAFe)   Write basic data analytics in R programming language Test & Integration Engineer BIT Systems - Aurora, CO January 2017 to March 2018   Investigate and troubleshoot software discrepancies and write deficiency reports as necessary   Author Python scripts to automate test procedures and administrative tasks   Utilize VMware to deploy and promote vApps on numerous virtual machines   Work with spacecraft subsystem experts to resolve software discrepancies   Install software patches and verify discrepancy resolutions   Revise regression test procedures for increased efficiency Sr. Software Test Engineer I Raytheon December 2012 to January 2017   Draft and execute test procedures for formal requirements verification   Participate in regression, mean integration, test readiness reviews, and formal verification test events   Track and manage requirements in DOORS   Perform regression testing and mean integration on new

software deliveries   Author test reports and inspection analysis   Modify XML files and validate against XSDs using Altova XMLSpy   Configure Nagios software for health and status monitoring of network hardware   Document software DRs and issues in Rational Team Concert (RTC) and ClearQuest   Create, modify, and troubleshoot automated test tools and scripts in PowerShell, Perl, Python, and PL/SQL   Create and manage Verification Activity Matrix (VAM) in support of test procedure package sizing   Verify inter-process communication using Apache ActiveMQ, JMS, and Weblogic server technology   Utilize Interface Control Documents (ICD), Verification Cross-Reference Matrix (VCRM), Algorithm Description Documents (ADD), and Use Cases   Utilize Jenkins automated build system   Adhere to established quality assurance processes Satellite Systems Operator Raytheon March 2013 to June 2016   Participated in launch and initialization activities on 5 next generation GPS satellites   Perform Command and Control (C2), and collect ranging on spare satellites in the GPS constellations   Monitor telemetry, and resolve ground anomalies with minimal supervision   Execute ad hoc procedures to resolve satellite anomalies under the supervision of vehicle engineers Satellite Operations Support Engineer Raytheon - Springfield, VA May 2011 to December 2012   Authored satellite operations procedures to facilitate interface capability between various external resources to include AFSCN   Developed and tested operations procedures utilizing flight software simulator   Operate flight software simulator to test and validate satellite operations procedures prior to real-world execution   Generated routine and ad hoc operational procedures for execution by operations personnel   Lead document review meetings to streamline and vet operations procedures   Analyzed and modified Tcl-Tk command scripts in support of contingency response during initialization activities   Created and developed original documentation for operations crew   Supported initialization and integration activities in a multi-contractor environment   Updated procedural documentation to reflect changes in functionality introduced with software installations and upgrades Space Vehicle Operator Raytheon - Springfield, VA May 2009 to May 2011   Performed command and control (C2) on operational satellite constellation   Monitored state of health via telemetry stream and reported all alarms to affected personnel during all life cycle phases   Executed routine and ad hoc procedures in accordance with

subsystem responsible engineers in support of major program milestones Performed data manipulation on Oracle databases using basic SQL commands Participated in daily shift briefings, turnover, and required training activities Updated operations log with routine and contingency activities Performed anomaly resolution operations per ad hoc instruction throughout all phases of problem resolution Hardware Maintenance Engineer Raytheon - Springfield, VA October 2004 to May 2009 Provided operational support of assigned electronic, electro-mechanical, and electro-optical equipment Maintained LASER equipment to include optical alignment Successfully completed Rockwell LASER safety training course Completed bi-weekly and annual preventive maintenance tasks on all assigned equipment Analyzed and diagnosed system malfunctions in SUN/UNIX environment Executed routine diagnostic procedures to ensure proper operation of mission critical equipment Performed corrective maintenance actions on all assigned equipment Staff Sergeant - Avionics Journeyman U. S. Air Force December 1999 to September 2004 Supervised personnel in the proper execution of avionics maintenance activities on multiple C-5, MC-130H, and MC-130P model aircraft Responsible for the maintenance, troubleshooting and repair of multiple avionics systems to include: Secure voice; UHF; VHF; HF; GPS; L-band SATCOM; Tactical Air Navigation (TACAN); Instrument Landing System (ILS), and APQ-170 Radar systems Repaired and replaced various aircraft RF antennas Read and interpreted avionics wiring diagrams during troubleshooting activities Updated aircraft maintenance actions and parts tracking information via Core Automated Maintenance System (CAMS) Utilized electronic measuring devices to include Time Domain Reflectometers (TDR) and digital multi-meters Terminated and repaired BNC coaxial cable and electronics wiring Expeditiously troubleshot and resolved avionics system issues during high-urgency scenarios to enable successful completion of critical missions Managed and composed annual performance reports on up to six subordinates Education B.S. in Industrial Technology Southern Illinois University Carbondale August 2006 A.S. in Electronic Engineering Technology Northeast Iowa Community College August 1996 Skills INTEGRATION (6 years), INTEGRATOR (6 years), SQL (6 years), PYTHON (2 years), TEST PROCEDURES (5 years), Django, Git (1 year), HTML 5, Docker (1 year), Docker (1 year) Links

Military Service Branch: Air Force Service Country: United States Rank: E-5 December 1999 to September 2004   Supervised personnel in the proper execution of avionics maintenance activities on multiple C-5, MC-130H, and MC-130P model aircraft   Responsible for the maintenance, troubleshooting and repair of multiple avionics systems to include: Secure voice; UHF; VHF; HF; GPS; L-band SATCOM; Tactical Air Navigation (TACAN); Instrument Landing System (ILS), and APQ-170 Radar systems   Repaired and replaced various aircraft RF antennas   Read and interpreted avionics wiring diagrams during troubleshooting activities   Updated aircraft maintenance actions and parts tracking information via Core Automated Maintenance System (CAMS)   Utilized electronic measuring devices to include Time Domain Reflectometers (TDR) and digital multi-meters   Terminated and repaired BNC coaxial cable and electronics wiring   Expeditiously troubleshot and resolved avionics system issues during high-urgency scenarios to enable successful completion of critical missions   Managed and composed annual performance reports on up to six subordinates Additional Information Skills   Perform integration, validation, verification, and regression tests in Agile software development environment   Draft and execute requirements-based test procedures on large software development programs   Utilize XSD and WSDL data format schemas to validate Web Service payloads   Document DRs and perform version control of test procedures in IBM Rational Team Concert, ClearCase, and ClearQuest   Experience performing queries in a relational database environment with SQL   Knowledge of programming methods and techniques in Perl, Python, and PowerShell   Experience testing web services using SoapUI and Parasoft SOA test tools   Use Docker containerization to build and execute software programs and scripts   Experience with IntelliJ, Eclipse, PyCharm, and Spyder IDEs   Experience with Jenkins build automation infrastructure   Proficient in Linux/UNIX and Windows environments to include MS Word, Excel, PowerPoint, Project, and Visio   Self-starter with excellent critical thinking, troubleshooting, and written communication skills   Computer Skills Languages Proficient: Python Experience: PL/SQL, SQL, Postgres, PowerShell, Perl, XML (XSD) Software Jenkins, Docker, Git, Eclipse, IntelliJ, PyCharm, ClearCase, ClearQuest, IBM Rational Realtime Concert (RTC), SoapUI, Parasoft SOA, MS Word, Excel, PowerPoint, Visio, vSphere,

vOrchestrator, Altova XMLSpy, DOORS, Adobe CC: Photoshop, Lightroom, Premiere Pro, pgAdmin

4

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