

Tushar Teji

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Software Engineer

Python Enthusiast | Experienced Developer | Automation & Testing Engineer

Seasoned Python Developer with 8+ years of total professional experience, including 5+ years of dedicated IT expertise. Proficient in creating robust and innovative software solutions, spanning diverse domains such as automation, testing, software development, and data analysis. Adept at collaborating with cross-functional teams and stakeholders to drive project success and elevate software quality. Passionate about refining code quality, optimizing performance, and staying updated with emerging technologies.

Work Experience

Bank of America [Contract] – Remote

May 2022 – Present

Python Developer

- Created and optimized Forex trading calculators using Python. Developed corresponding unit test cases for robust codebase.
- Orchestrated migration of critical real-time notification system from legacy infrastructure to advanced HDFS setup, significantly extending the external data query window from 90 days to 3 years.
- Engineered strategic table mapping scripts, facilitating easy seeding of static data templates for user testing.
- Automated production release setups using releaser scripts, streamlining configuration setups within the production database.
- Enhanced Hedge Booker implementation by implementing user notification emails on successful trade actions.

PNC Bank [Contract] – Remote

Aug 2021 – May 2022

Python Developer

- Designed test strategies for Recurring Transaction Forecasting Tool (prediction model that predicts recurring transactions).
- Wrote unittest cases to validate text processing performed by the model on the transaction descriptions ingested from Hadoop.
- Designed test plans and developed validation scripts for Available Balance model and Card Behavioral model.

Farmers New World Life Insurance [Contract] – Bellevue, WA

Feb 2020 – Feb 2021

Python Developer

- Converted in-house Base, File and Excel utility Perl modules into Python and wrote unit test cases to support the modules.
- Developed automation scripts for storing, fetching, manipulating, and cleaning up the relational tables.
- Reviewed and tested various Data Validation Python scripts, remodeled dependent configuration files and system modules.
- Rewrote broken Python validation and comparison scripts from scratch utilizing Pandas and NumPy libraries.

Capital One [Contract] – Plano, TX

Jul 2018 – Jan 2020

Python Developer

- Translated more than 30 Bash and Perl scripts into Python modules utilizing various standard libraries.
- Built CI/CD Pipeline using Jenkins to retrieve the code, compile, perform tests, and push the artifacts to JFrog Artifactory
- Worked with AWS services including EC2, S3, ELB, Auto-scaling, ECS, Route53, VPC, CloudWatch, and Lambda
- Participated in multiple sessions of pair programming with the purpose to provide Python training.

Technical Skills

Development:	Python Perl C/C++ Bash MATLAB SQL HTML Visual Basic
Libraries:	TensorFlow OpenCV SciPy NumPy Pandas Requests Robot Framework Selenium Django Flask
DevOps Tools:	Jenkins JFrog Artifactory PagerDuty Splunk Chef Terraform Docker New Relic AWS
Database Systems:	MySQL MongoDB SQLite
Version Control:	GitHub SVN Bitbucket GitLab
IDEs:	Visual Studio VS Code PyCharm Eclipse Atom

Education

M.S. - Information Technology	University of the Cumberlands, Williamsburg, KY	<i>Dec 2022</i>
Master - Electrical & Computer Engineering	Illinois Institute of Technology, Chicago, IL	<i>May 2018</i>
B.E. - Electronics & Comm. Engineering	Panjab University, Chandigarh, India	<i>May 2011</i>