

# UDAY KALYAN

L- Hyderabad, India | P- +91 7097143685

M- [udaykalyan975@gmail.com](mailto:udaykalyan975@gmail.com)

**Full Stack Developer**

Five years of experience as a Full Stack Developer, Python Scripting and coding with analytical programming using Python, Django, and C++. Looking for a position to fit myself in an integral part of a team and dynamic professional environment. A punctilious, fast learner offering the ability to access an organization's needs and create a complementary, robust web presence.

## Core Qualifications:

- Configuration, Packing, Building, Automating, managing, and releasing code from one environment to another environment and deploying to servers, support, and maintenance under Unix/Linux/VM Platforms experience.
- Experience with Amazon Web Services (AWS) and its services, maintaining and improving infrastructure, split between physical data centres, AWS, and managing the entire AWS lifecycle, provisioning, automation, and security
- Experience using version control tools like Subversion (SVN), GIT, GitHub, and Bitbucket.
- Good working of Branching, Merging, Tagging, and maintaining the version across the environments using SCM tools like GIT, Bitbucket, and Subversion (SVN) on Linux platforms.
- Leveraged routing protocol metrics and optimisation techniques to influence traffic distribution, reducing congestion and improving network performance.
- Knowledge of application development for Cloud platforms using technologies like Java/J2EE, Spring Cloud, and Microservices.
- Exposure to vulnerability scanning tools such as Checkmarx, Coverity, and Sonarcube, as well as vulnerability assessment and reporting, includes a comprehensive understanding of vulnerability management methodologies and procedures and application and infrastructure vulnerability scanning solutions.
- Extensive knowledge of working with configuration deployment tools like Chef (knife, recipe, cookbook), ansible (playbook, inventory) and Puppet (puppet manifests, factor, catalog).

---

## Areas of expertise include:

<b>Programming languages:</b>	Python, C, C++, Java
<b>Technologies:</b>	HTML, XHTML, CSS, JavaScript, jQuery, AJAX, JSON
<b>CI/CD tools:</b>	Jenkins, Kubernetes, Docker, Azure
<b>CI/CD tools:</b>	Splunk, Datadog, ELK, Dynatrace
<b>Frameworks:</b>	Django, Flask, Pyramid, Struts, Pyspark
<b>Databases:</b>	Oracle, SQL, PL/SQL, MySQL, PostgreSQL, DB2, MongoDB
<b>Version Control Tools:</b>	Control Git, GitHub, SVN, CVS
<b>IDE's/Development Tools:</b>	PyCharm, Eclipse, Sublime Text, Net Beans
<b>Web Services:</b>	AWS, Restful Web Services, SOAP
<b>Methodologies:</b>	Agile, Scrum and Waterfall
<b>Servers:</b>	Web Sphere, Web Logic, JBoss, Apache Tomcat

## Professional Experience

### Sr. Full Stack Developer

Lucid Motors, Casa Grande, AZ

Oct 2022 – Present

#### Responsibilities:

- Worked on security policies, user and credential management, multi-factor authentication, roles, and groups.
- Designed and implemented fully automated CI/CD pipelines based on the Azure DevOps (former VSTS) task-based build system.
- Worked with Cloud Formation scripts to host software on AWS cloud and automate software installation through PowerShell scripts.
- Using AWS S3 service as Build Artifact repository to create release-based buckets to store various modules/branch-based artifact storage and ran Ansible Scripts to provision Dev servers.
- Wrote Ansible Playbooks with SSH as the Wrapper to Manage Configurations of AWS Nodes and Test Playbooks on AWS instances.
- Validate solutions provided by Checkmarx for outstanding, ongoing issues logged in the SSD JIRA SQL database.
- Responsible for creating puppet modules and manifest files from scratch and experience in editing existing puppet manifests and automated manual installation processes using puppet.
- Created and maintained build automation shell, managed building fixes, merges, and release cuts as needed, and wrote scripts for environment changes in Bash, Perl and Python for Web-sphere mapping modules to the enterprise application.
- Designed secured, cost-optimized, and highly available and fault-tolerant infrastructures in AWS.
- Utilised Docker for the runtime environment of the CI/CD system to build, test and deploy.
- Built and maintained Docker container clusters managed by Kubernetes Linux, Bash GIT and Docker on the AWS cloud.

**Environment:** Amazon ECS, Jenkins, GitHub actions, Kubernetes, Docker, Azure, VPC, ELB, AWS Lambda, UNIX/LINUX, ELK, Dynatrace, Kibana, Harness, CloudWatch, Git, Splunk, Gradle, Jenkins, Docker, Terraform, TFS, Python Script and JIRA.

### Full Stack Developer

Thales Avionics, Melbourne, FL

Jun 2019 – Sep 2022

#### Responsibilities:

- Experience in using UNIX shell Scripts for automating batch programs.
- Managed datasets using Panda data frames and MySQL, queried MYSQL database queries from Python using Python-MYSQL connector and MySQL dB package to retrieve information.
- Created functions and assigned roles in AWS Lambda to run Python scripts.
- Represented the system in hierarchy form by defining the components subcomponents using Python and developed a set of library functions over the system based on the user needs.
- Integrated Jenkins with AWS cloud infrastructure for Continuous Integration and Continuous deployment.
- Generated graphical reports using the Python package NumPy and matplotlib.
- Performed automation using Chef Configuration management and managed the infrastructure environment with Puppet.
- Used Python and Django to create graphics, XML processing, data exchange and business logic implementation.
- Developed tools using Python, Shell scripting, and XML to automate some menial tasks. Interfacing with supervisors, artists, systems administrators, and production to ensure production deadlines are met.

**Environment:** AWS, Azure DevOps, Python, Django, Terraform, Jenkins, Git, Sublime Text, PostgreSQL, EKS(Kubernetes), LINUX

## Education

### Masters in Computer and Information Sciences

State University of New York, Polytechnic Institute, NY

Jan 2019 – Dec 2020

### Bachelors in Electronics and Communication Engineering

Gandhi Institute of Technology and Management, India

Jun 2014 – May 2018