Keshav Katkar

Java,Web, Python, Developer based in Pune.

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https://lawlie8.github.io

WORK EXPERIENCE

Datametica Solutions Pvt. Ltd, Pune — *2 years as java backend-dev. Spring-boot, hibernate, jpa*

 2021 - present

Java backend Developer in team **Pelican** validation ETL tool,

major **Datametica** product.

- Databricks DeltaLake to Google BigQuery Data Validation Support which included JDBC Connection Oriented Data Transport from DeltaLake to BigQuery with JDBC Driver, Using Personal Access Token as means of authentication.

- Worked on Pelican Licensing System and Applying Security Patches to multiple Pelican Database Licenses such as Hive, BigQuery, OracleDb, GreenPlum etc...

- Java Module to Send Scheduled Pelican Validation Results via SMTP protocol as an Utility Tool to Notify Pelican Users.

- Worked On Client Side Utility Module To Check JDBC Connections to Hive database using Secured kerberos Environment.

- Removing Critical log4j Vulnerability *CVE-2021-44228* from Pelican System and Replacing it with log4j-api bridge.

- Input Validation for license-Gen-3.0 (Pelican License Generator) Utility tool.

- Pelican Validation Result Notification System via HTML enabled email via SMTP.

SKILLS

Python ,Java,spring-boot, hibernate, jpa

LANGUAGES

English, Hindi, Marathi.

EDUCATION

SSEMHS, Solapur — *SSC*

2001 - 2014

Shri Siddheshwar English Medium High school Solapur.

Education from Kindergarten – 10th (SSC board)

Winner of the 2nd Prize Inter School Online Competition (ISOC newton 2012) conducted throughout india.

Sangmeshwar College of Arts And Science, Solapur — *HSC*

2014 - 2016

Education in Science with CS as the main Subject of Study. (HSC board)

AISSMS Institute Of Information Technology, Pune — *BE*

2016 - 2021

Bachelor of Engineering with Information Technology (IT) as Field of Study.

Technical Head of Information Technology Student Association.

(ITSA) – 2017

Personal Projects

Mr.Hyde — *Python Based Program With GUI For Encrypting & Decrypting Files.*

Simple Python Program Which Uses Tkinter Module and Advanced Encryption Standard with SHA256 hash as Key.

Mr.Hyde Gives Two Options For Key Generation

1. Default Global Key With Salt (Same Key for Different Files)
2. Custom Key With Salt (Different Key for Different Files)

   Source: https://github.com/lawlie8/Mr.Hyde

pyplayer — *Media Player for Windows 7,8,10 using Python-vlc and Tkinter for Gui. Directory monitoring and Advanced Shuffling.*

 Pyplayer is a windows media player application with advanced shuffling algorithm and file monitoring, keyboard shortcuts.

Source: https://github.com/lawlie8/pyplayer

MAcSpoof_Gui — *Mac Address Changer for windows. An Addition to Previous "MAcSpoof" with GUI and additional Functionalities.*

Mac Address Changer for windows in python using Powershell to change registry of windows OS (7,8,10).

1. MAcSpoof_Gui is a free mac address changer with random address Assignment.

    Source: https://github.com/lawlie8/MAcSpoof_GUI

Cat vs Dog Classification — *A Basic Machine Learning Binary Classifier That Distinguishes A Given Image Between Dog And A Cat.*

Cat vs Dog Classification Uses Around 4800 Augmented Images as training dataset.

Source: https://github.com/lawlie8/cat-vs-dog-classification

Sha1-py — *Implementation of Sha1 Cryptographic hashing Function in Python.*

Sha1-pu does not use any pre-existing libraries for calculating sting hashes and files with Ascii encoding.

Source: https://github.com/lawlie8/sha1-py

Sangreal — *A full-stack mini project demo for Travel Agency Website Using HTML, CSS, PHP, JavaScript.*

The Mini website Project uses Secure BCrypt Hashing Algorithm For User Login And Signup for Secure transactions and Bookings.

Source: https://github.com/lawlie8/DBMS

PUBLICATIONS

Inside The Mind Of A Hacker — *Technical Article Published In Ayaam Magazine (AISSMS IOIT Magazine). Describing Various Ways and Methodologies a Hacker Attempts while taking over a Network.*