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Experiences

Authorized Officer

UBS · Jan 2018 - Present

Core technologies: Python, VueJs and GNU/Linux

Serving as a core member of the team working on building an automated model documentation solution used by the whole division, while handling multiple side projects individually such as building web applications, automating ETL like processes and reporting solutions for different teams.

Key Achievements:

- Developing major features for division wide solution for documentation automation (DocKit) ranging from JupyterLab plugins to smart merging of notebooks.
 Using pandoc to convert from one format to another i.e. jupyter notebooks to markdown to LaTex and Jinja templates to dynamically generate LaTex files, we are automating the process for model documentation, confirmation and validation. I am involved in planning, development, documentation and working with clients to onboard the tool.
- Developed reporting solution for Risk Weighted Assets(RWA) using Python/Pandas/Flask which greatly reduced cost and time to generate reports which is sent to FED Regulators.
- Worked in Agile Methodology to develop static sites and dynamic web applications using tools like FastAPI,
 VueJs, NLTK/Spacy to build smart solutions like google like FAQ, shares reporting to Regulators etc.
- Built soultions using Python Airflow, Pandas etc. to automate ETL like process involving Chief Risk Officers which included reporting of shorfalls, violations, ECN limits etc. These were recognized as a major help for the bank in pandemic times.
- Got a chance to learn about data processing, training machine learning models while working data qualtity project which was an attempt to detect data qualtity issues in data received by other banks which was manually scanned by Risk Officers.
- Handled multiple deployments in GNU/Linux servers
 hosted on Azure. Secured the web services using tools
 like systemd, nginx. Automated deployments using
 bash scripts, python doit wherever possible.

Full Stack Python Developer

I am a software developer working as a Python Automation Expert in UBS, automating different process using Python and web technologies.

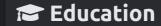
In my own time, I like to learn new technologies like Rust, Go and customize my GNU/Linux setup. I use Neovim as my main editor, and like to improve my workflow with it.

Languages

English (Fluent) Hindi (Fluent)

Hobbies

Travelling Music Reading



- Conducted Python Workshops.
- Won a hackathon and helped in conducting another hackathon.
- Promoted to Authorized Officer from Employee position..

Senior Software Developer

Bank of America · Feb 2017 - Jan 2018

Core technologies: Python, SQL

Worked for Market Risk team solving architectural design issues and code level issues. Built complete systems to automate a manual process and also helped migrating complete projects from Java to Python platform.

Key Achievements:

 Initiated a project called Chat-Bot, built it from scratch using NLTK and Django rest framework, also integrated it with Skype for Business.

Lead Developer

Digital Freedom foundation · Feb 2015 - Feb 2017

Core technologies: Python, Postgres, Docker and GNU/Linux

Started my career as a software developer in a start-up where I worked on everything related to a web application, from designing, development to deployment. The project was a Free and open source accounting and inventory software called GNUKhata. Built it from scratch using Pyramid pylons framework, bootstrap, JQuery, Postgres, Docker etc.

Key Achievements:

- Learnt about programming in Python and web technologies the most in the first two years and contributed extensively to the project GNUKhata.
- Grasped concepts of containerized environments in the process of making deployment of GNUKhata platform independent using Docker.

Bachelor of Engineering

University of Mumbai · 2011 - 2014 *Electronics and Telecommunication*

Diploma

Maharashtra State Board of Technical Education · 2008 - 2011 Industrial Electronics

‡^a Skills

Python, Pandas, FastAPI
Git
Javascript, VueJs, working knowledge of CSS
Airflow/Prefect
Sql, PostgresSQL
Flask/Django
Rust