

Lavina Khushlani

Software Engineer

Versatile and dedicated full stack software engineer with 2.6+ years of industry experience in object oriented programming (OOP) using python. Self-directed leader with expertise in Django, Angular, Data Analysis, NLP. I can quickly learn and master new technologies. I also love solving problems on various competitive programming platforms.

Work History

2018-07 -
Current

Software Engineer

HSBC Technology India, Pune, Maharashtra

- **Achieved a reduction in Service Requests by 47%** in issue tracking tool JIRA using NLP and jira-python API. Implemented **Cosine Similarity** and TF-IDF to find top three similar jiras and commented on new jira as ready references. Used **flask** as backend and webhooks for event listener.
- Developed **RESTful** web-application in Angular, Django supporting **CRUD** operations, also implemented the Maker Checker functionalities thus maintaining access control. The dashboard also maintains the **audit trail** of the users making the change.
- Developed asynchronous framework and microservices based architecture using OOP in python. Worked on alerting mechanisms in case of failures (**Email Alerting using SMTP**) and log monitoring on ELK; developed **Kafka's** functionality inhouse.
- Implemented the processing of 80k records in around 5 seconds which was earlier taking 5 to 6 mins using **multiprocessing** with pandas and regular expressions.
- **Saved time to login to servers** to check the running processes. Developed a Process Monitoring web-app using django angular7 and Postgres Sql, deployed using **Nginx** (used as a reverse proxy) and **Gunicorn**. The dashboard monitors which processes are active in shell and which are not using the process ids.
- Experience with **Single Page Applications** using Angular and JavaScript. Experience in building, testing the **RESTful APIs** using Django ORM.
- Achieved cost saving of 3 FTEs by automating the manual Reconciliation process. **Optimised Subset-Sum algorithm** using generators and used it in developing one-many rule-based amount netting algorithms.
- Automated **NAS Disaster Recovery Mechanism** using shell scripting, the service switches to contingency NAS in case of failures and keeps application running.

Certifications

2020-05	Google Cloud Platform: Core Infrastructure (Coursera)
2020-04	Essential Google Cloud Infrastructure: Foundation (Coursera)
2020-04	Essential google cloud infrastructure: Core Services (Coursera)
2018-11	Python for Data Science and Machine Learning (Udemy)
2017-07	Design and analysis of algorithms (IIT Madras)
2016-06	Python Programming

Education

2014 - 2018	Bachelors of Technology: Computer Science GLA University - Mathura GPA: 8.1
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Contact

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<https://www.linkedin.com/in/lavina-khushlani-1331b6114/>

Personal projects on Github:

<https://github.com/LKhushlani/>

Skills

Backend: Python, Django, Django ORM, Flask, Shell scripting, Java

Front end: Angular, HTML, CSS, JavaScript.

Version Control and other tools:

Git, JIRA, ELK, dkron

Database: PostgreSQL, MySQL

Libraries: Beautiful Soup, Exchange API, jira-python, cx_oracle, unittest, Tesseract OCR, config parsers

Other interests: Experience in Natural Language Processing, Data Analysis using Pandas, Numpy, Matplotlib, Competitive Coding. Sound knowledge of various data structures and algorithms.

Methodologies: Agile Scrum, worked through the entire lifecycle of the projects including Requirement gathering, Design, Development, Deployment, Testing, and Support.

Soft Skills:

- problem solving
- teamwork
- written/oral communication
- leadership