

# Lakshmi Aurelia

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## PYTHON FULL STACK DEVELOPER

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Seeking an opportunity to work for an organization to have a platform to learn and explore new technologies and improve my skills. I am a **Python** based full stack developer with over **7.5 years of experience** in **Python, HTML, CSS and JavaScript**. I have knowledge of popular frameworks such as **React JS** in front-end, **Flask and Django** in back-end and experience with **REST APIs** and **micro services**.

## TECHNICAL SKILLS

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<b>Languages</b>	: Python(versions: 3.5, 3.6, 3.7, 3.8, 3.9) JavaScript, HTML, CSS
<b>Frameworks</b>	: Flask, Django, React.js, Pyspark
<b>Cloud Providers</b>	: AWS, Azure
<b>Platforms</b>	: Docker, Kubernetes
<b>Libraries</b>	: Pandas, Redux, React Router
<b>Databases</b>	: MySQL, DynamoDB, PostgreSQL
<b>Dev Tools</b>	: Visual Studio Code, Pycharm, Jupyter, Git, Gitlab, BitBucket, Jenkins
<b>Ticketing tools</b>	: JIRA
<b>Architecture</b>	: micro services

## EXPERIENCE SUMMARY

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### Back-end Developer

*Innova Solutions Pvt. Ltd.*

Jul 2023 – Present  
Hyderabad, Telangana, India

- Worked with **Python - Django, micro services** to develop web application.
- Troubleshoot and **fixed bugs**, issues in the back-end to ensure **smooth operation** of the application and solved customer issues on priority.
- Scraped data from various platforms such as **App store, Google Play** and stored the reports on AWS S3.
- Worked on scraping logic, used scraped data to find the status of customer connections and fixed any issues found.

### Full Stack Developer

*Fission Labs*

Jul 2021 – Jul 2023  
Hyderabad, Telangana, India

- Designed and developed dynamic and responsive pages using **React JS, HTML, CSS**.
- Worked with **Python - Django REST APIs** to retrieve and display data from databases.
- Improved **code performance** and speed through optimization techniques.

### Back-end Developer

*LeanKloud Solutions*

Jan 2019 – Jul 2021  
Chennai, Tamil Nadu, India

- Worked with **Python - Flask framework** to develop web application.
- Troubleshoot and **fixed bugs** and issues in the back-end to ensure **smooth operation** of the applications.
- Worked with python SDKs for cloud providers such as **AWS, Azure** and services from the Cloud Providers such as **EC2, EBS, DynamoDB, S3, Lambda, RDS, VirtualMachines, Disks**.

### Junior Back-end Developer

*Infosys*

Feb 2017 – Jan 2019  
Chennai, Tamil Nadu, India

- Analyzing database relations and debugging using **Python, SQL**
- Testing to ensure data is encrypted

## EDUCATION

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**Vignan's Institute of Information and Technology, JNTUK**  
*Bachelor of Technology in Electronics and Communication & Percentage: 80.80*

Visakhapatnam, Andhra Pradesh  
Oct 2012 – April 2016

**NRI Junior College, APBIEP**  
*Class XII in M.P.C & Percentage: 93.10*

Visakhapatnam, Andhra Pradesh  
June 2010 – April 2012

**De Paul School, ICSE**  
*Class X & Percentage: 86.40*

Visakhapatnam, Andhra Pradesh  
Mar 2010

## PROJECTS

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### Data.AI - ConnectPlus

*Python-Django, AWS, micro services, PSQL, REACT JS*

- ConnectPlus is a tool that unifies app store, user acquisition and ad platform data using which customer's can track their app performance and also benchmark with competitors of their choice.
- Worked on new workflow for IOS connection which reduces the burden on customer to renew their credentials, also modified the **PSQL** database structure to incorporate this.
- Fixed the logic to reduce unnecessary scrape calls being made to App store when there's no valid access.
- Worked on 2-step-verification issues while creating/updating google-play connection.
- Worked on classifying the report data stored in **AWS-S3** which gives a customer idea of their expense, revenue and downloads.
- Worked on APIs and models in **Python - Django**.
- Worked with front-end **REACT** team to make required UI modifications and data structure analysis.
- Worked on Sharing and Teams segment of the ConnectPlus application which involved db manipulation and invoking different **micro services**.
- Worked on unit tests for many APIs using **Unittest and Pytest**

### Bluvector

*Python-Django, React.js, Redux, PostgreSQL, Git, Jenkins*

- Designed and developed few APIs on the back-end using **Python - Django**
- Implemented customized middleware for checking various scenarios and Permissions for accessing APIs.
- Worked on unit tests for many APIs using **Unittest and Pytest** Libraries and also on optimizing long running tests
- Developed a few functional components in the UI using **React, HTML, CSS** and also fixed bugs.
- Worked on front-end unit tests for multiple components using **Jest** and **React Testing Library**

### LeanKloud

*Python-Flask, AWS, Azure, BitBucket*

- An **Optimizations suggestion application** exposed using RESTful APIs made with Flask.
- Designed and worked on optimization logic for disks and virtual machines set up on **cloud providers** and **kubernetes** clusters.
- Designed and worked on collection of required metadata and metrics from client's services to be optimized.
- Consumed inputs from modeling team to build optimization logics.
- Designed various database **MySQL, DynamoDB** relations and tables to store optimization recommendations of numerous clients from different cloud providers.
- Designed APIs and Resource models in **Python - Flask** to ensure data flow to UI.
- Worked on various open source tools like **Nagios, Prometheus, Zabbix**.
- Worked with front-end **Angular** team to make required UI modifications and data structure analysis.

## POCS

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### Chatbot with Chat GPT

*Chat GPT APIs*

- Created an API endpoint using **Python-Flask** to interact with **GPT3 davinci model, Embedding API** to create a chatbot with context management.

### Normalize application

*Python-Django, React*

- Worked on creating APIs, database design, and dynamic UI web pages for an in-house application in Fission to normalize a bunch of similar data strings into one in the required format.

## ACHIEVEMENTS

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- Pitched the idea of an in-house application to manage and verify the status of various clients.
- Worked closely with clients to understand requirement for different services and build optimization logics.
- Guided junior developers, interns by giving them an idea of the product and help them understand requirements and tasks that follow.