

# SHIVRAJ PATIL

Software Engineer @LTI (Larsen & Toubro Infotech Ltd.) Pune.



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## CAREER OBJECTIVE

To pursue a challenging career and be a part of progressive organization that gives a scope to enhance my knowledge and utilizing my skills towards the growth of the organization



## PROFESSIONAL SUMMARY

- **Software Engineer with more than 2+ years of hands-on experience in Agile Software Development.**
- Exposure to multiple technologies: Python, Flask, Django, Docker, Kubernetes, SQLAlchemy, Java, SQL, MySQL etc.
- Extensive client interaction experience.
- Capable to learn and implement new technologies within lesser time.
- Believe in the deadlines.
- Exposure to sectors like data-analytics platform, IT operational software, datalineage platform.
- Supportive and enthusiastic team player with the willingness to take ownership of core components and delivering it within the respective time frame.



## SKILLS HIGHLIGHTS

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|------------------------------------|-------------------------------------|
| • <b>Operating Systems</b>         | Linux(Ubuntu), Mac OS X, Windows    |
| • <b>Programming Languages</b>     | Python 3, Java 1.8                  |
| • <b>DevOps</b>                    | Docker, Kubernetes                  |
| • <b>ORM</b>                       | SQLAlchemy                          |
| • <b>Web Framework</b>             | Flask, Django                       |
| • <b>CICD Tool</b>                 | Jenkins                             |
| • <b>Cache Engine</b>              | Redis                               |
| • <b>Web Technologies/Services</b> | HTML,CSS                            |
| • <b>Version Control Tools</b>     | Github, Gitlab                      |
| • <b>Project Tracking Tool</b>     | JIRA                                |
| • <b>RDBMS</b>                     | MySQL 5.6, Oracle, Postgres, SQLite |
| • <b>Cloud</b>                     | AWS                                 |



## JOB EXPERIENCE

Software Engineer

Present

LTI (Larsen & Toubro Infotech Ltd.), Pune

### Project- MOSAIC Lens

**Project Desc.-** All the data would be registered in the data catalogue. Catalogue also contains the metadata related to dataset. Users can also register new datasets here. Sample data would be loaded into memory and help the user data mash-ups to arrive at the rules. System will also throw up automated insights based on the data elements.

Users can create graphical widgets of the data for better data understanding. Users will create multiple charts with multiple aggregations over the data. Users can deploy the script to Distributed cluster and schedule the rule generation part.

Post publishing the reports – Data would be fetched from Data store layer rather than In-Memory sample data holder. Publisher can set multiple level of authorization as to who can view / edit the reports.

Output of rules would be presented to the users as Alerts.

User can suppress the alert, convert to task and track the task. Create a case out of an alert.

### Responsibilities-

- Performed devops related action like deployment of microservices, bugs fixes, etc.
- Implemented monitoring system like Prometheus including alertmanager.

**Technologies-** Python 3.6, Docker, Kubernetes.

Software Engineer

Oct 18 to Aug 19

LTI (Larsen & Toubro Infotech Ltd.), Pune

### Project- Apple Inc.

**Project Desc.-** GBI Data Lab is a platform to implement machine learning and other analytics tasks where a user can write code in jupyter notebook and get the desired output. A user can train a model using this platform and schedule multiple tasks on hour, weekly and monthly basis. This platform provides multiple templates for implementing the tasks like Python Base, Python Advance, Spark, Teradata templates. This platform provides various tools which are required for machine learning and data analytics tasks.

### Responsibilities-

- Worked as a backend developer to enhance the functionality of the platform
- Implementing the logic for the development of the feature.
- Fixing the production bugs.
- Involved in various stages from developing to deploying the feature.
- Creating APIs for front end team.
- Pushing the changes to Github repository.
- Analyzing user requirements, writing and debugging the code accordingly.
- Conducting code reviews.
- Implemented vcs for notebook on Github using Github API.

**Technologies-** Python 3.6, Flask, Docker, Kubernetes, SQLAlchemy, Github

Software Engineer

July 18 to Oct18

LTI (Larsen & Toubro Infotech Ltd.), Pune

### Project- MOSAIC -ITOC(IT operational centre)

**Project Desc.-** IT operational center platform to resolve ticket issues. A user can see the status of request on each phase. Automated categorizing the tickets based on the ML module.

### Responsibilities-

- Design and Implementation of core modules.
- Code review and wrote API's in backend.
- Migrated whole .Net project to python.
- Used Django Framework.

**Technologies-** Python 3.6, Flask, SQLAlchemy, Gitlab

### Achievements-

- Developed a voice controlled home automation device using android app.
- Completed Full stack web development course (8 months) from Jspiders Institute Banaglore.
- Completed 6 months course of ISRO "Remote sensing, geographical information system and global navigation satellite system".
- Participated in National Level IoT (Internet of Things) workshop of Technex'17, IIT Varanasi.
- Participated in engineering IT quiz (TCS TECH BYTES) organized by board IT educations standards and Tata consultancy services.
- Secured 1st place in technical quiz in state level fest.
- Three times national player in Hockey U-19 conducted in Delhi(2009), Bangalore(2010) gold medal, Punjab(2012) and got selected in VTU blue team conducted in Chennai(2014).

**PROFESSIONAL COURSES & CERTIFICATIONS**

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- **HACKATHONS:**  
Participated in LTI mosaichacks 2020.(Multiple cloud services in one web platform as a cloud marketplace)
- Completed the course on “Remote sensing, geographical information system and global navigation satellite system”.

**EDUCATION**

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- Bachelors of Engineering, Electronics & communication 2013 - 2017  
KLS VDIT, VTU

**PERSONAL DETAILS**

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<b>Date of Birth</b>	10 <sup>th</sup> June, 1994
<b>Languages Known</b>	English, Hindi, Kannada
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