

# SHIVRAJ PATIL

Sr. Software Engineer @Novonordisk Bengaluru



M:+917204141598 | [shivrajtpatil12@gmail.com](mailto:shivrajtpatil12@gmail.com) | [shivrajpatil12.github.io](https://shivrajpatil12.github.io)



## 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 7+ years of hands-on experience in Agile Software Development.
- Exposure to multiple technologies: Python, Flask, FastAPI, Kubernetes, SQLAlchemy, SQL, GIT, Cloud(AWS).
- 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, Healthcare 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

• Operating Systems	Linux, MacOS , Windows
• Programming Languages	Python, SQL
• DevOps	Docker, Kubernetes
• ORM	SQLAlchemy
• Web Framework	Flask, FastAPI
• Web Technologies/Services	HTML,CSS
• Version Control Tools	Git
• Project Tracking Tool	Azure Devops
• RDBMS	MySQL, Oracle, SQLite, Postgres
• Cloud	AWS



## JOB EXPERIENCE

Senior Software Engineer  
Novo Nordisk - Bengaluru  
Project- NN Planner

Present

**Project Desc** - NN Planner is a digital planning system used in Novo Nordisk QC laboratories, QA departments, production support and other departments that need a workforce planning tool. The system enables automatic planning and ensures easy overview of team resources.

### **Responsibilities-**

- Worked as a backend developer to enhance the functionality of the platform
- Development overall end to end Application, Backend and data pipelines.
- Development of API's.

**Technologies** – Python , Flask, AWS

### **Software Engineer**

**Mar-21 to Jan-23**

**Accenture - Bengaluru**

**Project- - Big data (USSteel)**

**Project Desc.** - The primary business of US Steel is the production and sale of steel sheet products such as hot roll, cold roll and galvanized sheet. Working on different data analytics application which help them have better insights and improve in steel production. Handling various projects(Steel price predictions , Alloy consumptions, Scrap Management) which led to save \$2 million a year by switching to these platform/applications.

### **Responsibilities-**

- Development of API's for microservices.
- Development overall end to end Application including UI, Backend and data engineering use case.

**Technologies-** Python, FastAPI, kedro, Airflow, Vuejs, pyspark

### **Software Engineer**

**Oct-18 to Mar-21**

**LTI - Pune**

**Project- GBI datalab 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 Rest APIs.
- Pushing the changes and testing function on 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 - Pune

Project- MOSAIC –AIOPs

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

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Hackathon:

- Participated in Novonordisk **InsightHACK 2023**. (Sales Info Platform)
- Participated in **LTI mosaichacks 2020**. (Developed multiple cloud services in one web platform as a cloud marketplace)

Tech Conference:

- Participated in **PyCon(2023,24)**



## PROFESSIONAL COURSES & CERTIFICATIONS

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- **Udemy certifications:**

Python

Docker

Kubernetes

Machine learning



## EDUCATION

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



## PERSONAL DETAILS

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Date of Birth

10<sup>th</sup> June, 1994

Languages Known

English, Hindi, Kannada

Cell number

+91-7204141598 (personal)

Email

[shivrajtpatil12@gmail.com](mailto:shivrajtpatil12@gmail.com)

Portfolio

<https://shivrajtpatil12.github.io>