DILIP KUMAR SHARMA
PROJECT LEAD

Highly skilled Senior Python Developer with experience in Flask, FastApi, Django, MySql, Cassandra, Docker, Kubernetes.

Experienced in Design, Develop and Deployment of software applications.

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| PROFESSIONAL EXPERIENCE

Persistent Systems Ltd. – *Project Lead*
Pune, India   **09/2020 - 06/2022**

Project: **Service Modernization**

Client: **Deloitte**

- Designed, Developed, Deployed Python, Flask, Flask Restx, Cassandra, Docker based micro-services using Azure App service.
- Designed and Developed data pipelines using Apache Airflow.
- Owned complete responsibility for micro-services and apache airflow from design documents to architecting to development to deployment to demo to client and getting sign off from client.
- Implemented automated testing using Pytest, resulting in a 50% reduction in testing time and a 25% increase in overall code quality. Added automated tests in gitlab and azure CI CD pipeline.
- Turned over 20 product releases to client for UAT with demo.
- Mentored 4 junior python developers, training them to work on Flask, Cassandra, Docker, build environments etc.
- Conducted over 30 technical interviews for Python.

Project: **Cassandra Migration Accelerator tools development**

Client: **Datastax**

- Developed Migration Tools for DataStax migration to propose Cassandra specific data model.
- Designed and Developed Micro-services using Python Flask, Cassandra.

| PERFORMANCE HIGHLIGHTS

- ✓ Well versed in working as individual contributor and team lead.
- ✓ Wide experience in working in 8 projects.
- ✓ Architected and developed various small projects and modules in different projects.
- ✓ Volunteered to share C++, Python and Git knowledge with team members.
- ✓ Volunteered to take technical interviews.
- ✓ Got promoted to Tech lead due to excellent performance.
- ✓ Work experience in both Linux and Windows operating system.

| AREAS OF EXPERTISE

- ❖ Experienced in designing, developing, deploying software applications.
- ❖ Experienced in writing clean, optimized, well documented and readable code.
- ❖ Develop and Maintain Restful APIs.
- ❖ Develop automated tests to ensure code quality.
- ❖ Experienced in Deployment of Apps on AWS and Azure using CI/CD.
- ❖ Communicating with client and giving demo to client.
- ❖ SDLC, Scrum & Agile Methodologies.
- ❖ Team mentoring experience.

- Deployed Dockerized microservices with Cassandra database using AWS code deploy and Gitlab CI CD.

- Wrote automated unit tests for micro-services using Pytest and coverage. Added automated tests in gitlab CI CD pipeline.

- Took complete ownership of micro-services with weekly demo to client.

- Mentored 4 junior python developers about designing, development of micro-services with Docker along with writing unit tests.
- Conducted over 60 technical interviews for Python.

Sensys Gatso Australia Pty Ltd – *Sr. Software Engineer*
Melbourne, Australia   **04/2019 - 04/2020**

- Architect-ed Matching Server System for Traffic Control and Monitoring System (TCMS).

- Architected, Developed C++ to Python interface library.

- Created Automation Simulator in python.

- Over 70 defect fixes done in 12 months for TCMS using C++, Python, Django, Shell scripting, MySQL on Linux.

Happiest Minds Technologies Pvt Ltd - *Tech Lead*
Bengaluru, India   **08/2016 - 02/2019**

- Sole contributor who developed Maintenance Working Position, for South Korea's 'Incheon' Airport in 24 months using C++.
- Over 400 defect fixes done in 24 months.
- Trained 4 team members in 3 months to understand product.
- Turned over 50 product releases to testing teams.
- Owned complete responsibility for the product and gave weekly updates to client.
- Conducted over 80 technical interviews for C++.
- Delivered GIT knowledge transfer session to 8 team members.

Intel Software India Pvt. Ltd - *Software Development Engineer*
Bengaluru, India   **08/2013 - 08/2016**

- As a sole contributor automated internal products

| PROFESSIONAL COMPETENCIES

- **Expert** (★★★★★):
  - ✓ Python
  - ✓ Flask
  - ✓ FastAPI
  - ✓ Rest APIs
  - ✓ C++
  - ✓ Object Oriented Programming

- **Advanced** (★★★★):
  - ✓ Apache Airflow
  - ✓ Django
  - ✓ MySQL
  - ✓ Apache Cassandra
  - ✓ Docker
  - ✓ Kubernetes
  - ✓ Multi-threading
  - ✓ Design Pattern
  - ✓ CI/CD
  - ✓ Github, Gitlab
  - ✓ DSA

- **Familiar** (★★★):
  - ✓ HTML, CSS
  - ✓ AWS, Azure
  - ✓ Helm Chart
  - ✓ Shell Script

| EDUCATION

MAIET
India • Aug 2005- June 2009

BE: Computer Science & Programming
Graduated with 72.21 %.
Topped class in 8th semester of BE degree.

using Python.
- Developed Automation Framework using Django.
- Wrote unit test cases for automation scripts using Python Mock.
- Coded for internal project name 'Sustainability' using C++.

Larsen & Toubro Limited TS - *Software Engineer*

Mysore, India   **06/2010 - 08/2013**

- Architect-ed and developed standalone application named MUU in 3 months using C++ which is continuously being used by new developers.
- As a sole contributor added over 50 new features in 12 months for Vehicle diagnostic system for Automotive domain.
- Delivered C++ knowledge transfer sessions to 15 team members.

| **LANGUAGES**

English.
Hindi.
Marwari.

| **PERSONAL LIKES**

Travelling new places and experiencing life there.
Cycling and bike riding.