

SHIVAM KUMAR

Software Engineer

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SUMMARY

Software Engineer with **5+ years of experience** building and deploying scalable Python-based web applications and cloud-native solutions. Specializing in backend development using Python (Flask, FastAPI, Django) and modern DevOps practices on AWS and OCI. Proven expertise in modernizing monolithic systems, automating CI/CD pipelines, and developing RESTful and GraphQL APIs.

EXPERIENCE

ORACLE — Senior Associate Software Engineer

July 2022 - PRESENT

- Worked on web application development and design using Python (Python, OCI, OAC, GIT, Oracle DB)
- Automated a legacy cleanup task, improving application performance by nearly 3.5 times.
- Spearheaded full-cycle implementation of Fax Service and NPM migration, reducing production downtime by 30% and aligning deliverables across 3+ cross-functional teams
- Migrated SOAP/XML APIs to **REST/JSON and GraphQL** using Python frameworks, improving API latency and developer usability.
- Led security enhancements by addressing 15+ critical CVEs, executed POC, and full implementation of ATP migration.

Jellyfish Technologies — Software Engineer

OCT 2021 - JULY 2022

- Led a 4-member team to develop insurance automation platforms, cutting claims processing time by 50% for US clients.
- Integrated IoT devices with EMR/EHR systems to enable real-time patient data capture, enhancing monitoring efficiency by 60%.

ASNM Care Pvt Ltd — Full Stack Developer

MARCH 2020 - OCT 2021

- Developed a role-based attendance system with geolocation check-ins, used daily by 200+ staff, improving HR accuracy by 70%.
- Created e-commerce websites (SugarNchilli & DealsNsmiles)

SKILLS

PYTHON, JAVASCRIPT,
SQL, OCI, OAC, REACT,
AWS, GIT, API, DOCKER,
CI/CD, RESTful API, ETL,
FastAPI, GraphQL

CERTIFICATIONS

Oracle Cloud Infrastructure
Foundations

Software Development -
ATNOSOFT TECHNOLOGIES

SOLID Programming Principles

AWS API Gateway with HTTP,
Lambda, DynamoDB, and iOS

Amazon Web Services (AWS) for
Developers

CORE COMPETENCIES

Goal-Oriented Execution

Cross-Functional Collaboration

Minimal-Supervision Delivery

Abstract Thinking & Strategic
Problem Solving

- Upgraded the logistics application and added new features like tracking of shipments on the client, hub, and branch portals.
- Automated email-based logistics reporting, reducing daily reporting time from 2 hours to under 15 minutes.
- Created Company Website (asnmcare.com) and integrated order tracking with it.

EDUCATION

GNIOT, Greater Noida — Btech(CSE)

Dr. A.P.J. Abdul Kalam Technical University

PROJECTS

Health Analytics

An analytics platform designed for healthcare professionals, it enables users to derive, compute, and organize data to extract insights by creating analytic visualization tools.

Insurance Web Platforms

Designed and developed multiple full-stack web applications for US-based insurance firms, driving automation and digital transformation.

Automated reporting systems reduce manual effort and improve data visibility across stakeholders.

IoT Integration for EMR/EHR Systems

Integrated Internet of Things (IoT) capabilities into existing EMR/EHR software for remote patient monitoring.

Streamlined healthcare data ingestion using lightweight protocols and cloud APIs, enabling real-time device data capture.

Owned feature lifecycle from planning to release, ensuring compliance with healthcare data standards (e.g., HIPAA-aligned practices).

Attendance Management System (Full Ownership)

Developed a location-aware attendance web application with role-based access control for admins, managers, and staff.

Integrated geolocation services to ensure accurate check-ins/check-outs; deployed with full CI/CD pipeline.

PROGRAMMING LANGUAGES

Python, Ruby, JavaScript, SQL

WEB & FRAMEWORKS

Django, React, FastAPI, Flask

TOOLS & VERSION CONTROL

Git, Docker, Jenkins,

Spinnaker, Postman, NPM

CLOUD & DEVOPS

AWS, Kubernetes, CI/CD,

Snowflake, Vertica,

Oracle Cloud Infrastructure (OCI).

DATABASES

Oracle DB, MySQL

MONITORING & LOGGING

Splunk, NewRelic

LANGUAGES

English, Hindi