

SHIVAM KUMAR

Software Engineer

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[Developer Portfolio](#)

SUMMARY

Software Engineer with 5+ years of experience in designing and deploying scalable, cloud-native, and high-performance backend systems. Proficient in **Python** (Flask, FastAPI, Django), **AWS** (S3, RDS, EC2, ECS), and DevOps practices including CI/CD, containerization (Docker, Kubernetes), and microservices architecture. Skilled in developing RESTful and GraphQL APIs, data pipelines, and NoSQL/SQL data models. Adept at debugging, code reviews, unit testing, and delivering clean, maintainable code aligned with business goals.

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%.

ASNMCare 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%.

SKILLS

Python, FastAPI, SQL, AI/ML
Amazon Web Services (AWS),
Github, Api, Docker, CI/CD,
RESTful APIs, Python3 Celery,
Javascript, Html, Css, linux,
GraphQL, NoSQL, React Js

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

Scalable Software Architecture & Clean Code Practices

Backend Development with Python, RESTful & GraphQL APIs

Cloud-Native Development on AWS, Azure & OCI

Microservices Design, Deployment & Orchestration

CI/CD Automation, Testing Strategies & Version Control Best Practices

Debugging, Issue Resolution & Performance Optimization

- Created e-commerce websites (SugarNchilli & DealsNsmiles)
- 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.

Cross-Functional Team
Collaboration & Code Reviews

Agile/Scrum Methodologies &
Leadership in Delivery

Analytical Thinking, Problem
Solving & Attention to Detail

EDUCATION

Btech, Computer Science and Engineering

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.

Analytics Insights Platform – Data & UI Services

Developed and enhanced client-facing services of the **HDI Health Analytics Platform**, including Web App, Data Tables, Analytics Query Tool, and EDW Data Syndication.

Identified and addressed technical debt in a 10-year-old system to improve customer experience and platform reliability.

IoT Integration for EMR/EHR Systems

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

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

Geolocation Attendance 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.

Logistic Software (Full Ownership)

Developed and deployed a multi-portal logistics platform with role-based access for clients, hubs, and branches.

Implemented shipment tracking, inventory management, API integration, and payment reconciliation to streamline operations and improve visibility across the supply chain.

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, Azure

Oracle Cloud Infrastructure
(OCI).

DATABASES

Oracle DB, MySQL, PostgreSQL,

MongoDB, Redis

MONITORING & LOGGING

Splunk, NewRelic

LANGUAGES

English, Hindi