

Suraj Sharma

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Summary

Experienced Senior Software Developer with 4+ years of expertise in designing and developing backend systems using Java (Spring Boot) and Python. Proven ability to develop scalable microservices, implement clean architecture principles (BCE), and deliver robust solutions in cloud-based environments (AWS). Strong experience in integrating third-party APIs, implementing CI/CD pipelines, and containerization using Docker. Passionate about writing clean, testable code and mentoring junior developers.

Technical Skills

Programming Languages: Java, Python, JavaScript, jQuery

Database: SQL(MySql, PostgreSQL, Microsoft SQL), No-SQL(DynamoDB)

Frameworks: Spring boot with sub-framework such as JPA/Hibernate, Junit for unit test.

Testing: JUnit, Mockito, Postman.

Cloud & DevOps: AWS (Lambda, API Gateway, DynamoDB, S3), Docker, GitHub Actions, Jenkins.

Architecture: Microservices, BCE Pattern, MVC, DTO.

Concepts: CI/CD, Design Patterns, Agile, TDD, Authentication/Authorization

Operating Systems: Windows, Linux.

Other Technologies: REST API, JSON, Git, Swagger Documentation, JSP, Servlet, JSTL.

Experience

Aerial Arts, Software Developer

Remote
From Aug 2021

- Developed and maintained microservices for an e-commerce platform in the logistics domain.
- Expertise primarily in design and back-end development (Java with Spring Boot, Python), cloud technologies (AWS), and working with both SQL and No-SQL databases.
- Containerized microservices using Docker and managed configurations with profile-based YAML files.
- Designed and implemented RESTful APIs and integrated third-party services.
- Created robust unit and integration tests using JUnit and Mockito to ensure code quality.
- Improved CI/CD pipelines with GitHub Actions, enabling faster and more reliable build and deployment cycles.
- Mentored junior developers and reviewed peer code changes to ensure best practices and standards adherence.
- Proficient with version control tools (Git) and build automation using Maven.
- Conducted code refactoring, monitoring, and reviews to maintain and improve code quality.

Key Achievements:

- Refactored legacy modules to follow BCE architecture and DTO converter patterns.
- Designed a mock/live profile selector system for mail and forwarder services.

- Collaborated in bank and insurance company projects related to document processing using different technologies like JSP, Servlets, PostgreSQL, Microsoft SQL, JavaScript, jQuery, etc.

Projects

Enterprise-Ready Multi-label Microservice Platform

- A logistics-focused multilabel system with profile-based configurations.
- Consumes services like forwarder-fedex to generate labels depending on environment profiles (mock/live).
- Architected clean code structure following BCE principles, separating boundary, entity, and service layers.
- Integrated mock services for testing and live services for production using selector-based profiles.
- **Technologies Used:** Java, Spring boot, Spring data JPA, Basic Auth, Amazon S3, Maven

Forwarder Fedex

- Microservice to integrate with FEDEX APIs for generating shipment labels.
- Follows a clean layered structure: boundary, control, entity, request/response models.
- Implements profile selectors (mock, live) and clean DTO conventions.
- **Technologies Used:** Java, Spring boot, Spring data JPA, API Key Authentication, Amazon S3, Maven

Ecommerce Invoice Parser

- Built a serverless Java-based invoice parser deployed on AWS Lambda.
- Automatically retrieves EDI files from Amazon S3, parses them using configuration files, and saves structured data to the database.
- Implemented dynamic configuration loading by using event metadata (configFileName) at runtime.
- Packaged and deployed using Maven; Lambda function updated manually via the AWS console.
- **Technologies Used:** Java, AWS Lambda, Amazon S3, Maven

Ecommerce Invoice to CSV

- Developed a serverless Python-based service to extract invoice data stored in a database and convert it to CSV format.
- Integrated with an internal File Feed Service to automatically upload the generated CSV files.
- Designed for modular deployment and reuse within larger ecommerce data processing workflows.
- **Technologies Used:** Python, AWS Lambda, Dynamo DB

Interconnecthub IDM

- Flask-based authentication and authorization backend using AWS Cognito.
- Modular structure with separation of concerns: controllers, services, repositories, models.
- Automatic deployment to AWS Lambda triggered by Git merges.
- **Technologies Used:** Python Flask, AWS Cognito, Token-Based Authentication

Education

BCA **CMRIMS (Bangalore university)**, Computer Programming

2014 – 2017

- CGPA: 9.23/10.0
- **Coursework:** Programming Languages(C, C++, Java, Dot Net, etc), Computer Architecture, Algorithms, Software design

Strengths

- Excellent communicator, able to convey technical concepts clearly to both technical and non-technical stakeholders.
- Skilled in collaborative problem-solving within cross-functional and distributed teams.
- Experience in mentoring junior developers and conducting code reviews with constructive feedback.
- Active contributor in agile ceremonies including daily stand-ups, sprint planning, and retrospectives.