Raushan Pandey

Software Engineer

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Results-oriented software engineer with strong track record of successfully planning, executing, and testing various frameworks and services. Proficient in wide range of technologies, including Java, Spring Boot, REST APIs, Python, Kafka, and C#. Skilled in maintaining data consistency, reducing overhead, and enhancing response times. Experienced in training and overseeing teams, ensuring continuity of services, and fostering innovation. Demonstrated expertise in developing microservices, implementing new functionalities, and driving revenue growth. Capable of creating secure and high-quality production code and maintaining algorithms, running synchronously with appropriate systems. Capacity to gather, analyze, synthesize, and establish visualizations and reporting from large, diverse data sets.

Areas of Expertise

- Software Development
- Microservices
- Object Oriented Design
- Code Review
- Backend Development
- API Development
- Team Mentoring
- Financial Services
- Unit and Integration Testing
- Java Development
- Developing Large Scale Services
- Communication

Technical Proficiencies

Programming Languages:	Java, Erlang, Python, SQL, HTML, CSS, JavaScript, AngularJS, ReactJS, Linux/Shell Scripting
Frameworks and Tools:	Spring Boot, Hibernate, JPA, Kafka, Git, JUnit, Mockito, REST API, Postman, Behavior Driven Development (BDD) using Cucumber, Hadoop, Amazon Web Services (AWS), Google Cloud, Microsoft Azure, Docker, ZippyDB (NoSQL)

Career Experience

Meta, CA   **2022**
Software Engineer Intern

Planned, executed, and tested data consistency framework in Erlang, keeping ZippyDB (NoSQL) records consistent. Designed framework to provide flexibility for adding more application specific checks. Demonstrated framework during company-wide presentation on intern day, resulting in increased awareness and understanding of framework among interns. Contributed to code refactoring and reviewing, as well as team meetings from beginning.

- Conducted inspections of framework-based account (ac2d) crawler on dataset of over 6 billion customer records every week.
- Implemented five crawlers using framework for Account User Infra (AUI) team and established dashboards and alerts.

SAP Labs, IND   **2020 – 2021**
Developer

Developed new application using Java to detect anomalies in customers' systems and recommend necessary actions. Stored and processed data, utlized by various ML Models through establishment of new SAP Data Lake applications. Developed production-level microservices using Java, Kafka, SQL, Python, and Azure Data Lake after taking responsibilities from offshore team. Trained and guided junior developers and onboarded new team members on project, while communicating Architect project implementation.

- Architected more than three JARs (one on Diffie–Hellman key exchange) and Jupyter notebooks in Python to save data for ML models in Azure Data Lake.
- Implemented new middle-ware system to enhance customization of recommendations for customers, utilizing data from HANA system.

- Contributed to projects such as Cloud Application Life Management (CALM) related to Customer Experience.
- Facilitated in reduction of error rates by 23% using REST API's, Kafka, and Oracle Database.

MoveInSync, IND   **2020**
Software Engineer

Utilized Java, Spring Boot, REST APIs, PostgreSQL, Amazon Web Services (AWS) S3, AWS EC2, and Kafka to maintained back-end of Vendor-Experience (VE) system for supervision, tracking, and planning of drivers for trips. Performed testing coverage for VE services through JUnit and Mockito to identify risks and errors. Collaborated with multi-disciplinary teams such as DevOps, Front-end, PM, and CTO to implant features through weekly stand-ups.

- Reduced REST API overhead and enhanced response times by revamping three services.
- Ensured continuation of services and improved productivity by training two interns and oversaw three microservices in vendor experience.

IG Group, IND   **2018 – 2020**
Associate software Developer

Developed microservices in Java, Spring-Boot, REST API, Oracle DB, and Kafka to charge brokerage and settlement fees in post-trade domain. Ensured smooth processing of data by devising Kafka Avro Schema for new services in MTF settlement. Broadcasted news alerts through deployment of IG's 1st Alexa Skill.

- Met and exceeded revenue by 33.33% for IG Group through Post Trade Applications.
- Increased adoption of new technologies by cultivating partnership with innovation team.
- Utilized JUnit, Mockito, and Cucumber Behavior Driven Development (BDD) to sustain test coverage of applications by more than 70%.

Verizon, IND   **2017 – 2018**
Software Engineer

Administered Verizon e-commerce website for residential customers using C# and AngularJS. Delivered assistance in implementation of new functionality based on business requirements in Java using REST API's. Facilitated cross-functional teams to identify and resolve security issues in ColdFusion.

- Enhanced conversion rate by 4% in online ordering by identifying recommendations for better customer experience.

Education

Master of Science in Computer Science, Purdue University, West Lafayette, Indiana (2021 - 2023)

Bachelor of Technology in Computer Science and Engineering, SRM University, Chennai, India (2013 – 2017)

Projects

Understandable Bundle Protocol v7 (Communication Protocol for Data Transmission)

Awards & Achievements

IG Spotlight: Recognized for contribution to development and presentation of IG Group's 1st Alexa Skill, presented to board members of IG Group.

Verizon Thanks Letter: Cherished for giving customer-focused ideas and assisting cross-domain team member.