

VAIBHAV SINGH

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OBJECTIVE

Seasoned Back-End Developer with 8+ years of experience designing scalable, high-performance systems using Java, Spring Boot, Kafka, and GCP. Proven expertise in regulatory solutions, distributed systems, and modern DevOps. Seeking a senior engineering role to lead backend architecture, mentor developers, and drive innovation in data-intensive and cloud-native platforms.

EDUCATION

PG-DAC, Center for Development of Advanced Computing Aug 2016 - Feb 2017
Bachelor of Technology in Computer Science, APJ Abdul Kalam Technical University Aug 2011 - Mar 2015

SKILLS

Languages/Frameworks: Java, Spring Boot, Apache Beam, Kafka, React, Swagger, RESTful APIs

Databases: MySQL, Oracle SQL, MongoDB, PostgreSQL, Ignite Cache, Redis

DevOps/Tools: Git, Docker, Kubernetes, Jenkins, Terraform, GCP, Linux

Others: Microservices Architecture, Distributed Systems, CI/CD, API Development, Agile Methodologies

EXPERIENCE

Senior Software Developer Apr 2019 – Present
IG Group, Bangalore, IN

- Led the development of the Trade Corrections System using React and Spring Boot, improving global compliance accuracy.
- Architected and deployed the UPI Service (Spring Boot multi-module) integrating with ANNA DSB to generate unique trade identifiers, with internal caching and DB persistence to reduce API cost and latency.
- Delivered a PoC for migrating real-time trade processing pipelines to Google Cloud Platform, leveraging Pub/Sub and Dataflow.
- Refactored reporting systems for 50M+ transactions, contributing to the Regulatory Reporting Optimization project and reducing generation time by 30%.
- Mentored junior developers, conducted peer code reviews, and implemented automation frameworks with QA teams.

Software Engineer Apr 2017 – Apr 2019
Atmecs Technologies, Hyderabad, IN

- Contributed to the Citrix eLearning platform migration; enhanced modularity and scalability.
- Implemented vouchers, cart, and order modules; integrated Stripe for seamless payments.
- Reduced page load times to milliseconds by optimizing both front-end and back-end performance.
- Built an internal portal using MEAN stack, streamlining training delivery and admin workflows.

PROJECTS

Regulatory Reporting Optimization – IG Group 2023
Redesigned the reporting architecture for processing 50M+ trade and position records. Improved system performance by 30% by decoupling reporting from transactional DBs, optimizing downstream workflows, and enabling scalable compliance pipelines.

Wikipedia Trending Analyzer 2024
Built a cloud-native Java app on GCP using Pub/Sub and Cloud Functions for real-time Wikipedia trend analytics.
[GitHub](#)

Sealog Logging Library

2025

Built a tamper-proof Spring Boot logging framework with blockchain-inspired hash chaining for secure, verifiable logs. [GitHub](#)