

RISHABH GOEL

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Impact-driven Software Engineer who led projects, boosting revenue by 80% and reducing infrastructure costs by 40%. Excels in full-stack development, database, infrastructure management, and cloud technologies across industries.

Education

University of Maryland, College Park

August 2023 – May 2025

Master of Engineering, Major in Software Engineering, Graduate Certification in Cloud Engineering

Bharati Vidyapeeth University, Pune, India

July 2013 – June 2017

Bachelor of Technology, Major in Computer Engineering

Professional Experience

Nix, Inc.

Wyoming, USA

Software-Engineer Full Stack Intern

Jun 2024- Aug 2024

- Led the architecture, development, and deployment of a cloud-native **React-Node-Snowflake** application leveraging **AWS services**, achieving an **84% increase** in user adoption and securing the initial customer base.
- Architected and optimized the database schema, **cutting query response time by 40%**, for high traffic demands.
- Implemented an end-to-end secure payment portal with **Stripe and JWT**-based authentication, driving an **80% surge** in paid user growth.

Intellect Design Arena

New Delhi, India

Consultant

Oct 2019 - Aug 2023

- Spearheaded and developed revenue model transformation for e-marketplace(GeM) using **Spring Boot & Java**, driving **80% YoY growth**, contributing **\$5 Billion** in annual revenue.
- Engineered a Payment Status Scheduler with **Cron jobs** and the **JEXL engine**, **reducing processing times from 60 to 10 minutes for over 30,000 daily transactions**, significantly enhancing system efficiency and agility.
- Led and executed the **Uber integration** for government cab procurement, reducing monthly operational cost by **40% (~\$15,000)** by applying **HLD/LLD principles** in Agile environment.
- Diagnosed and resolved critical garbage collection issues using **JProfiler, Heap Analysis, and Dynatrace**, reducing server instances by **25% (4 to 3)** and lowering memory usage by **30GB**, enhancing application performance, and, cutting infrastructure costs.

Sunrich Technologies Pvt. Ltd.

Mumbai, India

Associate Software Engineer

Dec 2018 - Sept 2019

- **Early member of the core team** that architected and developed a shipping logistics web app with microservices and cloud solutions, achieving monthly operational savings of **~\$12,000** and improving scalability.
- At just one year of experience as the team's youngest member, engineered a **scalable, ACID-compliant** database architecture that drove a **40% boost** in operational efficiency.
- Engineered a reporting functionality using **Jasper Reports** for multi-format report generation and **AWS S3** storage, **reducing report generation from 20 mins to 5 mins**.

Systems Plus

Pune, India

Project Trainee

Nov 2017 - Dec 2018

- Developed a robust report generation module for RBI's (Reserve Bank of India) securities auctions, handling **heavy, sensitive, and complex data**, cutting annual operational cost by 30%.
- Crafted and seamlessly integrated a **performance-optimized stored procedure**, resulting in a **40% reduction** in data retrieval time from an external ERP system.

Skills

Languages: Java (Spring Boot, JUnit, Hibernate), JavaScript/TypeScript (Node JS, React JS, JQuery), Python, HTML/CSS

Database: SQL, MySQL, Oracle 11g, PL/SQL, NoSQL, PostgreSQL, MongoDB, Snowflake, Database-architecture & Design

Cloud Services/ Tools: AWS (EC2, S3, CDN, lambda, EKS, ECS), Jenkins, Docker, Dynatrace, Heroku, Azure, Kubernetes

Other Skills: Maven, RESTful, Design Patterns, JIRA, BitBucket, Postman, Ant, Oracle ADF, Jasper Reports, Freemarker, Git, Agile, MVC, Microservices, Data Structure, Distributed Systems, System Design, Web-Development, CI/CD

Projects

E-Learning Management System 🌐 || *SpringBoot, Java, JWT, Heroku, JS, React, MySQL, AWS (EC2, SNS, WAF, RDS), AES*

- Engineered and managed an impactful ELMS platform, seamlessly integrating courses led by professors to deliver an enriched learning experience for college students and faculty.

GMV Prediction Game 🌐 || *SpringBoot, Java, Keycloak, JavaScript, Angular, MySQL, Jboss Server*

- Delivered a cutting-edge GMV prediction application in just four days, fostering engagement between client and intellect. **Attracted participation from 250 stakeholders, including the CEO**, showcasing the success of the initiative.