ANKUSH RAJ

Software Engineer

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PROFESSIONAL SUMMARY

Armed with over 4+ years of experience in designing, developing, and maintaining robust, scalable, and distributed web applications, with strong expertise in full-stack development.

EDUCATION

Bachelor of Technology (B.Tech), Computer Science Engineering
Chandigarh University
2016 – 2020

SKILLS

DS, Algorithms, Java, JavaScript, Golang, Python, SQL, Spring Boot, J2EE, REST API, gRPC + Protobuf, React, Node.js, Docker, Kubernetes, TensorFlow, SonarQube, JMeter, MySQL, PostgreSQL, MariaDB, MongoDB, Cassandra, Git, Jenkins, JUnit, Figma, Microservices, OAuth2, Monolithic, AWS (EC2, S3), Kafka, Grafana, Prometheus, Swagger, Linux

PROFESSIONAL EXPERIENCE

Software Developer

ALTENGT India
June 2022 – Present

- Designed and developed scalable, robust systems using Java with Spring Boot, React, Node.js, golang, and microservices architecture.
- Deployed applications on AWS EC2 and integrated monitoring tools such as Grafana and Prometheus.
- Built a natural language-to-SQL model using fine-tuned LLaMA and BART, improving query generation from text inputs.
- Integrated Hyperledger Fabric chaincode with backend systems for secure blockchain-based applications.
- Performed load testing using JMeter, simulating up to 10,000 concurrent users to ensure 99.9% uptime and optimal performance under high traffic conditions.

BLUTRAIN
Aug 2021 – Jan 2022

- Implemented robust systems using Java with relational and non-relational databases, and setup system log visualization and monitoring with the help of grafana and prometheus.

Hexaware Technologies
Oct 2020 – Mar 2021

- Optimise the React UI for detecting anomoly within lakhs and million of sensor data of hardware.
- Integrated SonarQube to enforce coding standards, resulting in a 35% reduction in rule violations and sustained 'A' level maintainability across all deployments..

ALTENGT PROJECTS

CMOS Management Tool

- Designed and implemented algorithms to simulate cost, compare hardware modules, layouts, and variants, track property changes on hardware modules, layouts, variants and electrical components and Retrieved ECAD data to support detailed component analysis.

- Reduced component upload time from 50 to 15 minutes for 5000 items by optimizing Java + gRPC microservices, and Enhanced security by integrating OAuth2-based authentication.

- Containerized services with Docker and enabled robust monitoring using Grafana and Prometheus.

- Automated code scanning with Jenkins and sonarqube, improving code quality by 40%.

NLP to SQL Generation

- Created an encoder-decoder model using LLaMA and BART to translate natural language queries into SQL.

- Leveraged TensorFlow and Hugging Face libraries; trained the model using a BigQuery dataset.

EasyTimeNG (Timesheet Application)

- Developed REST APIs using Java Spring Boot for managing employee details, creating divisions, sending reminder emails for missing work hour entries, and recording work hour information. Integrated the backend with a React-based frontend.

- Architected microservices for time tracking and HR employee management.

IHASS – Home Automation System

- Built a secure backend system using golang for smart device control.

- Implemented blockchain-based image storage using Hyperledger Fabric chaincode.

CREATOR AND DEVELOPER

Full Stack: Employee Orientation Tool (Resource Sharing Platform):

- Built a full-stack solution for resource sharing using Java Spring Boot, Golang Gin (backend), PostgreSQL, Cassandra (database), and React (frontend).

- Applied SDLC practices across all stages: planning, database design, development, testing, and deployment.

EXTRA-CURRICULAR ACTIVITIES

- **Guitar Enthusiast**: Enjoy playing guitar as a creative outlet.

- **Learning Enthusiast**: Passionate about exploring new technologies and understanding how they work. Regularly engage in self-directed learning to stay updated with advancements in technology.

- **Sports Lover**: Enjoy playing football, cricket, tennis, and other sports.

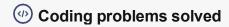# Candidate Skill Report

Ankush   View complete coding profile

Top skills

Evaluated by tests and Coding Ninjas experts   Proficiency

DSA		86%
C++		85%
Java		66%

185 difficult problems solved

Mastered complex topics across different skills

 Coding problems solved   **307** DSA problems

Trained to be industry ready

Candidate put in dedicated efforts over 5 months of intensive training

Data Structures in C++

Duration: 3 months | Awarded in: October, 2022

Introduction to C++

Duration: 2 months | Awarded in: July, 2022

Ankush Singla (CEO, Coding Ninjas)

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This is a system generated report created on: 26th Feb, 2025