Vinit Kumar Kumawat

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Summary

- Experienced software engineer with over 6 years of experience in backend, frontend, and cloud technologies, including AWS. Specializes in developing large-scale distributed systems and scalable solutions.
- Skilled in Java/J2EE, Python, Spring, Microservices, Flask, FastAPI, Oracle Database, NoSQL, React.js, software documentation, and Agile & Waterfall Methodologies.
- Experienced in requirement analysis, design, development, unit testing, and deployment using Java, Spring, Servlets, JSP, Scala, JavaScript, Spring Boot microservices, and web services.
- Expertise in cloud technologies and architecture, particularly Amazon Web Services (AWS) resources: EC2, S3, Lambda, SQS, SNS, RDS, EBS, and CloudWatch.
- Proficient in handling messaging services using RabbitMQ and Apache Kafka.
- Experienced in implementing Service-Oriented Architecture (SOA) web services using HTTP (REST) and gRPC communication protocols.
- Skilled in front-end development using React.js, JavaScript, TypeScript, HTML, and CSS.
- Proficient in the CI/CD process using tools like GitHub, Jenkins, Maven, and JUnit.
- Experience in working with NoSQL database DynamoDB, including caching implementation, query optimization, and provisioned capacity adjustments.

Experience

Software Engineer
Amazon

Jun 2021 - Mar 2023 (1 year 10 months)

- Successfully launched new delivery experience in the Asian market, resulting in a 50%+ increase in daily delivered orders by eliminating the need for customer interventions.
- Designed architecture, developed a notification framework to enhance delivery experience, and streamlined onboarding time for new notifications, reducing it from 10 weeks to 2 weeks.
- Reduced DynamoDB latency from ~4000ms to ~20ms by implementing caching, query optimization, and provisioned capacity adjustments. Resolved post-deployment latency issues, reduced load times and improved customer satisfaction.
- Designed and developed a centralized threat logging system for Amazon organizations, processing 4 petabytes of logs daily using Apache Spark, Hive Metastore, Scala, and S3 storage.
- Developed and implemented a dynamic parser pipeline utilizing a range of AWS resources (EC2, Lambda, S3, EBS, SQS, and SNS) to handle large-scale security logs. This solution enhanced data processing speed by 80%, reduced storage costs by 20%, and created a more cost-effective and efficient logging system.

Software Engineer Intern
SOTFUL

Jun 2020 - Jan 2021 (8 months)

- Developed a comprehensive end-to-end encryption solution utilizing Java Spring framework, incorporating a hybrid algorithm based on RSA and AES.
- Successfully integrated Stripe payments to enable monetization for subscriptions and payouts, leveraging REST API.

- Implemented a robust client-side security system by developing a multi-layer architecture utilizing OAuth2 and Google ReCAPTCHA V2 API.

Software Engineer
Orange Business

Aug 2017 - May 2018 (10 months)

- Led design and implementation of a REST-API based component for centralized Order Management System, ensuring seamless integration with dependent systems and scalable onboarding of new systems.
- Enhanced system performance by implementing real-time updates to the report generation mechanism, resulting in a 90% reduction in load time.

Software Engineer
Ansh Technovision LLP

Jun 2014 - Aug 2017 (3 years 3 months)

- Designed and developed full-stack purchase order approval app from scratch, significantly reducing approval time from 5+ hours to ~10 minutes.
- Improved customer and supplier creation app with data source pipelines, automated approvals, and validations, leading to a 95% reduction in creation time.
- Implemented Amazon S3 integration in the document storage application, replacing in-database storage. Resulted in reduced processing time by 50% and server load by 90%.

Education

The University of Texas at Arlington

Master of Science, Computer Science

2019 - 2021

Rajasthan Technical University

Bachelor of Technology, Computer Science

2010 - 2014

Skills

Java • Python • Rust • Javascript • Node.js • Scala • React.js • SQL • NoSQL • DynamoDB • PL/SQL • Spring Framework • Flask • FastAPI • RabbitMQ • Apache Kafka • Microservices • REST-API • gRPC • AWS EC2 • AWS Lambda • AWS S3 • Kubernetes • Docker • Serverless