DAKSH PRUTHI

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SUMMARY

Passionate Java Software Engineer with focus on Spring Boot, Microservices, and REST APIs. Adept at architecting cloud-native applications using AWS, Kafka, Redis, Docker, and Kubernetes. Experienced in database optimization, CI/CD pipelines, and bridging technical expertise with business needs to deliver user-centric solutions. Proficient in Java 11+, event-driven architecture, and container orchestration.

SKILLS

Languages: Java (Java 8, 11, 17), Python, SQL, JavaScript, TypeScript, HTML, CSS, SQL / NoSQL, Bash/Shell Script
Frameworks: Spring Boot, Spring Security, Hibernate, JPA, React, Node.js, Micronaut, Dropwizard
Cloud and Technologies: AWS (EC2, S3, RDS, DynamoDB, Lambda, API Gateway), Kafka, RabbitMQ, gRPC, Akka
Databases: MySQL, PostgreSQL, MongoDB, DynamoDB, Redis, Cassandra
DevOps & Tools: Docker, Kubernetes, Jenkins, GitHub Actions, Terraform, Ansible, Maven, Gradle, Bazel
Security & Testing: OAuth2.0, JWT, SAML, TLS/SSL, RBAC, JUnit, Mockito, Selenium, Postman, REST-Assured
Monitoring: Prometheus, Grafana, ELK (Elasticsearch, Logstash, Kibana), Datadog
Project Management: Agile/Scrum, Requirement Gathering, Sprint Planning, Jira, Confluence

EXPERIENCE

Software Engineer, Sprowt, NJ   **September 2024 – Present**

• Collaborated with a team of 5 engineers to architect a Java Spring Boot microservices ecosystem for a workforce management platform, handling 1M+ daily events with Kafka for event streaming and achieving 99.99% uptime.
• Engineered a multi-threaded recommendation engine to optimize employee scheduling, leveraging Java 17, Spring Boot, and MongoDB, reducing response times by 60% and improving real-time user interactions.
• Led the migration from monolithic architecture to microservices to address scalability issues, boosting system performance by 70% and cutting deployment times by 50%.
• Pioneered infrastructure-as-code (IaC) strategies using AWS CDK, automating the entire deployment pipeline to AWS ECS, Lambda, and RDS with zero downtime.
• Integrated Redis caching to reduce query latency by 40%, speeding up analytics and decision-making for managers.

Software Developer, Bespoke Digital Media, New Delhi   **May 2023 – August 2023**

• Led a team of 2 developers to configure a Spring Boot-based CMS for media agencies, serving 50K+ users with Redis caching and database optimizations, achieving 30ms API response times and 99.9% uptime.
• Implemented authentication with RBAC and OAuth2.0 in Spring Security, ensuring enterprise-level security standards.
• Engineered a real-time WebSocket analytics dashboard using Spring Boot and Redis Pub/Sub, processing 100K+ events per minute with minimal latency for client campaign tracking.
• Applied ACID-compliant transaction handling in PostgreSQL, ensuring data integrity for reliable content publishing.

Senior Analyst, FIS, Maharashtra   **July 2019 – March 2021**

• Enhanced a payment gateway with Java Spring Boot, supporting $10M+ daily transactions with Kafka-based event processing for fault-tolerant, low-latency services.
• Reduced transaction latency by 35% by optimizing Redis caching and SQL queries, addressing peak-hour bottlenecks.
• Achieved 90% test coverage for core modules using JUnit, Mockito, and REST-Assured for comprehensive API testing.
• Spearheaded the use of Jenkins and Docker for automating CI/CD pipelines, improving release cycle efficiency by 20%.

Software Engineer Intern, Panasonic, Haryana   **July 2018 – August 2018**

• Devised a real-time serverless analytics platform for research teams to analyze sensor data from IoT devices, using Java Spring Boot, DynamoDB Streams, and AWS Lambda, processing 10 GB+ daily with 99.9% accuracy.
• Engineered secure RESTful APIs using Spring Security (OAuth2.0 & JWT), meeting institutional data protection standards.
• Orchestrated CI/CD pipelines with Jenkins and GitHub Actions, automating build, test, and deployment workflows, reducing deployment time by 30%.
• Established gRPC based communication between IoT devices and analytics services, ensuring low-latency interactions.

EDUCATION

Stevens Institute of Technology, Hoboken, NJ   **September 2022 – May 2024**

Master of Science, Computer Science, GPA: 3.63
Graduate Certificate, Database Management, GPA: 3.83
Provost's Master Scholarship
Related Courses: Java, Machine Learning, Web Development, Data Structures

Bharati Vidyapeeth University, Pune, India   **July 2015 - July 2019**

Bachelor of Technology, Computer Engineering, Grade: B+
Related Courses: C++, Distributed Systems, ASP.NET, DevOps

PROJECTS

Event-Driven Payment Gateway

• Engineered a Java Spring Boot-based payment gateway using Kafka for real-time event-driven processing, reducing transaction failures by 30% and ensuring 99.99% system reliability.
• Secured payment transactions by integrating OAuth2.0 and JWT for token-based authentication.
• Automated deployments using Jenkins and Docker, reducing downtime during release cycles and ensuring consistent performance across environments.
• Resolved database bottlenecks implementing indexing and sharding in MySQL, reducing load times by 40% for high-volume transactions.

E-commerce Microservices Platform

• Architected a scalable microservices platform for an online retailer, leveraging Java, Spring Boot, Docker, and Kubernetes, reducing average cart abandonment rates by 25% by implementing personalized recommendations using Redis and Kafka.
• Resolved critical performance issues during peak sale periods by dynamically scaling Kubernetes pods, ensuring <1-second response times for 100K+ concurrent users.
• Integrated real-time payment tracking and fraud detection algorithms using Spring Security and JWT, preventing fraudulent transactions worth $50K+ monthly while enhancing system monitoring with Prometheus and Grafana to identify bottlenecks and improve performance.

NOTABLE ACHIEVEMENTS

System Scalability: Led the migration from a monolithic system to microservices, achieving a 70% improvement in scalability and reducing system downtime by 50%.

Performance Optimization: Reduced API response times by 60% by designing a high-performance recommendation engine using Spring Boot and MongoDB.

Event Processing Excellence: Built an event-driven pipeline using Kafka and Spring Boot, ensuring 99.99% system reliability for processing millions of events daily.