SHIVA ANAND

Software Engineer - Java Developer

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PROFESSIONAL SUMMARY

Java Developer with 4+ years of experience designing and implementing secure, scalable, high-performance distributed systems and enterprise applications. Proficient in object-oriented design, data structures, algorithms, and cloud-native microservices. Hands-on expertise in **Java, Spring Boot, AWS, Docker, Kubernetes, and React** with strong academic foundation in distributed consensus, resource scheduling, and system optimization.

SKILLS

Languages: Java (SE/EE 8–17), C++, Python, JavaScript, TypeScript, SQL, PL/SQL
Frameworks/Tools: Spring Boot, Spring MVC/Security/ORM, Hibernate, React.js, Node.js, Kafka, JMS, REST, Microservices
Cloud/DevOps: AWS (EC2, S3, RDS, Lambda, API Gateway), Docker, Kubernetes, Jenkins, CI/CD, Git, Apache Tomcat, Cron
Databases: Oracle, PostgreSQL, MySQL, MongoDB, JDBC, Stored Procedures
Concepts: Distributed Systems, Resource Scheduling, High Availability, Object-Oriented Design, Algorithms, Performance Tuning

PROFESSIONAL EXPERIENCE

NEW YORK STATE, OFFICE OF INFORMATION TECHNOLOGY SERVICES   **Albany, NY**
Information Technology Specialist 2 - NYS HESC   **May 2025 - Present**
- Engineered and deployed **Java Applications** with high availability, processing **tens of thousands** of education grant records daily.
- Reduced delivery time by 25% by **authoring BRDs/TDDs** and translating business requirements into distributed architectures.
- **Tuned SQL queries** and **Oracle procedures** to improve data processing latency by 35%..

NEW YORK STATE, DEPARTMENT OF HEALTH   **Albany, NY**
Student Assistant   **Aug 2024 - May 2025**
- **Collaborated with epidemiologists** to build scalable **Java modules**, improving report accuracy **45%**
- Migrated static **HTML** dashboards to **React.js** with real-time data binding, enabling instant decision-making for public health interventions.
- **Optimized PL/SQL and UNIX pipelines,** reducing large-scale data processing runtimes by 90%.

INFOSYS LIMITED (CLIENT: MERCEDES-BENZ JAPAN)   **Remote**
Java Developer   **March 2021- July 2023**
- **Modernized middleware with Kafka-based** Spring Boot microservices and implemented containerized deployments using Docker and Kubernetes, boosting scalability and throughput by 30%.
- **Resolved critical Log4j vulnerability** in distributed clusters, securing 100K+ users within 24 hours.
- **Migrated legacy stack to Tomcat/PostgreSQL**, saving $15K annually while maintaining 99.9% uptime.
- **Designed AWS-based CI/CD pipelines** and automated Quartz-based job scheduling, saving $10K/year.
- **Mentored 3 junior developers** and boosted team productivity by 35% through Agile practices.
- **Developed monitoring bots** for Linux environments, reducing manual operations by 80%.
- **Modernized recall vehicle page** from JSP/Struts to react framework and deployed it in AWS EC2 instance.

KUNJ SERVICES   **Remote**
Full Stack Java Developer   **February 2020 – February 2021**
- **Designed and developed Spring Boot microservices** for digital banking portals, payment gateways, and investment portfolio management platforms.
- **Implemented secure REST APIs** with JWT/OAuth 2.0 and data encryption to safeguard sensitive financial transactions.
- **Built React.js front-end modules** for account management, fund transfers, bill payments, and portfolio analytics dashboards.
- Optimized **PostgreSQL/MongoDB queries** for high-volume transaction data, reducing processing latency by 30%.

PROJECTS

Dice Jobs Tracker Tool
- **Developed and deployed a Java-based tracker** on AWS EC2 with cron jobs, delivering hourly job alerts via email to subscribers.
- Implemented subscription management for user opt-in/out preferences, following robust design and test practices.
  Technologies: Java, Spring Boot, Maven, React.js, Cron, AWS EC2

EDUCATION

UNIVERSITY AT ALBANY – STATE UNIVERSITY OF NEW YORK *Albany, NY*
Master of Science, Data Science – CGPA: 3.7/4.0 *2023 - 2025*
Relevant Coursework: Applied Statistics, Topological Data Analytics, Modern Computing for Mathematics

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD *Hyderabad, India*
Bachelor of Technology, Computer Science *2016 - 2020*
Relevant Coursework: Data Structures, Object-Oriented Programming, Database Management, Web Technologies