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Prahalada Reddy Dommata

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SUMMARY

Results-driven Full Stack Developer with 6+ years of experience architecting and implementing scalable enterprise applications. Demonstrated expertise in reducing costs by 30% through microservices migration and improving system performance by 25% using **AWS** cloud solutions. Proven track record in implementing secure **authentication** systems and developing efficient **REST APIs** using **Java/J2EE** technologies. Specialize in agile methodologies and test-driven development.

EXPERIENCE

SWIFT TRANSPORTATION   Charlotte, NC   Sep 2022 – Present
Java Full Stack Developer (Fleet Management Service)
Largest full-truckload motor carrier in North America, providing a wide range of transportation and logistics solutions.

- Developed robust data access layer using **Hibernate/JPA** for the load management system, optimizing database queries that handle over 200 concurrent dispatcher sessions and 3000+ daily load transactions with sub-second response times.
- Implemented comprehensive **logging** and **monitoring** using **Spring AOP** and **ELK** stack in the load tracking module, reducing issue resolution time from hours to minutes and improving system visibility by 60%.
- Created **RESTful** APIs using **Spring Boot** for the dispatcher dashboard, handling complex load search and assignment operations with paginated responses, reducing average **API** response time from **5** seconds to **800ms**.
- Designed and implemented **Redis** caching strategy for frequently accessed load data, reducing database load by **40%** and improving dispatcher **dashboard performance** during peak hours.
- Developed responsive dispatcher dashboard using **Angular** 14, implementing **NgRx** state management for complex load search and tracking features, resulting in **40%** improved **data consistency** and reduced state-related bugs by integrating real-time load status updates across multiple dispatcher sessions.
- Enhanced load search functionality by implementing **dynamic query** building using **JPA Criteria API**, supporting multiple filter combinations (status, location, date ranges) while maintaining **optimal performance**.
- Developed timezone management solution for cross-country load tracking, standardizing UTC storage and handling automatic conversions across dispatcher timezones, achieving zero timezone-related incidents post-implementation.
- Built automated test suites using **JUnit** and **Mockito**, achieving 85% test coverage for core load management services and reducing regression testing time by 40%.
- Integrated with third-party **APIs** (ELD devices, weather services) using **Spring RestTemplate** with custom error handling and retry mechanisms, ensuring reliable load-tracking data flow.
- Followed **Agile** methodology in a **scrum** team of 8 members, consistently delivering **90%** of sprint commitments and actively participating in daily standups and sprint planning.
- Implemented role-based security using **Spring Security** for dispatcher portal access, ensuring secure access to load management features based on dispatcher permissions and roles.

ACCENTURE   Bangalore, India   May 2019 – Jul 2021
Full Stack Java Developer (Transaction Processing)
Global professional services company specializing in IT, managed services, digital, and cloud solutions to help clients

- Designed and implemented **RESTful APIs** using **Java 17**, **Spring Boot**, and **PostgreSQL** to enable high-volume **transaction processing** workflows for instant settlement.
- Deployed **microservices** on **AWS ECS Fargate**, enabling scalable, fault-tolerant systems that processed millions of daily transactions while optimizing costs.
- Streamlined transaction processing times by 40% by integrating **Kafka Streams** for real-time data processing and **event-driven architecture**.
- Implemented robust **authentication** using **OAuth 2.0** and **JWT** for secure cross-platform integrations across transaction services.
- Built a **feature flag management system**, minimizing risk when deploying new features, ensuring smooth feature rollouts for business-critical transactions.
- Optimized **CI/CD** pipelines using **Jenkins**, **Docker**, and **Kubernetes** to automate **deployment** and **system scaling**, incorporating **shell scripts** for **task automation**, **system health checks**, and **log management**, significantly improving deployment efficiency and reducing downtime.

- Ensured 99.99% uptime by integrating **AWS CloudWatch**, **Prometheus**, and **Grafana** for real-time monitoring, ensuring operational continuity.
- Collaborated with business teams to align technical solutions with compliance needs, ensuring instant settlement and regulatory standards.
- **Performed performance testing** using **AWS CloudWatch** and **Datadog** to monitor application performance in real-time, identifying and resolving bottlenecks in both code and database queries to ensure seamless user experience during peak traffic.
- **Managed Java memory** using **JVM tuning** techniques to optimize garbage collection and memory utilization in high-performance microservices, ensuring efficient resource management and low latency.
- Leveraged **Spring's transaction management** with **@Transactional** to ensure data consistency and rollback capabilities across multiple services, while also using **JPA** and **Hibernate** to manage complex database transactions and persistence effectively.

CYWARE   Bangalore, India   Jul 2017 – Apr 2019
Java Developer (Security & Social App)
Defend against threats with cyber fusion solutions for threat intelligence, threat response, and security orchestration.
- Developed and maintained **REST APIs** using Spring Boot and JPA for Cyware's cybersecurity platform, implementing CRUD operations for the blog publishing system and email notification service for user subscriptions, handling 1000+ daily active users.
- Implemented caching using **Redis** for frequently accessed content endpoints, reducing average API response time from 800ms to 200ms and improving overall platform performance.
- Collaborated in **refactoring** authentication flow using **JWT** tokens and **Spring Security**, reducing third-party API calls by 40% and streamlining user login experience.
- Developed responsive user interfaces using **Angular** for Cyware's cybersecurity social platform, implementing dynamic content loading and real-time updates for the news feed, reducing page load time by 30% using lazy loading.
- Built reusable Angular components for user authentication flows and event management system, integrating Google Sign-in and implementing form validations with **Angular Material**, resulting in 40% reduction in user login issues.
- Enhanced user engagement by developing follow/unfollow functionality using **Spring Data JPA** and **MySQL**, enabling users to customize their cybersecurity news feed and event notifications.
- Contributed to migration from **EC2** to **AWS** Elastic Beanstalk by containerizing Java microservices and configuring auto-scaling policies under senior developer guidance.
- Improved code quality by resolving 50+ security hotspots identified by **SonarQube**, implementing input validation, and integrating Google **reCAPTCHA** for enhanced security.

TECHNICAL SKILLS
Programming Languages:
Java (Streams, Functional Programming), Python, JavaScript, TypeScript, C++, Unix, Bash, R
Backend Technologies:
Spring Boot, Spring Security, Spring Data JPA, Spring AOP, Spring Cloud, Hibernate, REST APIs, OAuth 2.0, JWT
Cloud & DevOps:
AWS Services: ECS, Lambda, RDS, S3, DynamoDB, Elastic Beanstalk, SNS, SQS, CloudFormation, IAM, CloudWatch
CI/CD & Containerization: Jenkins, Docker, Kubernetes (EKS), Helm, Terraform
Monitoring & Logging: Prometheus, Grafana, Splunk, ELK (Elasticsearch, Logstash, Kibana)
Databases & Data Engineering:
SQL Databases: PostgreSQL, MySQL, SQL Server, Oracle
NoSQL Databases: DynamoDB, MongoDB, Cassandra
Big Data & ETL: Apache Spark, PySpark, AWS Glue, Kafka
Frontend & UI Technologies:
Angular, ReactJS, Material UI, Node.js, Bootstrap, Express.js
Messaging & Event-Driven Systems:
Kafka, RabbitMQ, ActiveMQ, JMS
Testing & Quality Assurance:
JUnit, Mockito, Cucumber, SonarQube, Postman, Selenium
Version Control & Agile Tools:
Git, GitHub, Bitbucket, Jira, Agile/Scrum

EDUCATION
UNIVERSITY OF SOUTH FLORIDA	*Masters' in Information Systems*	Tampa, FL
SRM UNIVERSITY	*Bachelor's in Computer Engineering*	Chennai, India

CERTIFICATIONS   AWS Certified Developer Associate   AWS Certified Data Engineer Associate