Hemanthkumar Chereddy

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SUMMARY

Dynamic Java Full Stack Developer with 4.5+ years of expertise in building robust applications using Java, Spring Boot, Angular, and React Js. Adept at delivering scalable, high-performance solutions, integrating AWS, and optimizing development workflows. Proven track record of driving business success through innovation, collaboration, and technical excellence in fast-paced environments.

SKILLS

- **Programming Languages :** Java, TypeScript, Python.
- **Frontend Development:** JavaScript, React, Next.js, Redux, Styled Components, Angular, RxJs, NgRx, GraphQL, Apollo Client, Webpack, Module Federation, Micro Frontend, HTML5, CSS3, Bootstrap.
- **Backend Development:** Node.js, Java, Spring boot, microservices, Spring Security, JPA/Hibernate, Spring Batch, Spring Cloud, Spring Boot Actuator, REST APIs, GraphQL APIs.
- **Database Management:** MySQL, PostgreSQL, MongoDB, Redis.
- **Tools & Platforms:** Git, Splunk, Maven, Swagger, Jira, SVN, Bitbucket, Grafana.
- **Data Structures & Algorithms:** Sorting, Searching, Recursion, dynamic programming.
- **Agile Methodologies:** Scrum, Test-Driven Development (TDD)
- **Design Patterns:** Singleton, Factory, Observer, Strategy, Adapter
- **Cloud & Deployment:** AWS (S3, Lambda, API Gateway, Elastic beanstalk), Docker, Kubernetes, Jenkins, CI/CD Pipelines, GitHub Actions.
- **Testing & Debugging:** Jest, Cypress, Jasmine, JUnit, Mockito.

EXPERIENCE

Kanshe Infotech | *Software Development Engineer - Intern*   **Jan 2025 – Present**
- Optimized Angular application performance by leveraging OnPush change detection and lazy loading.
- Implemented state management using RxJS, Signals, and NgRx to handle complex data flows efficiently.
- Strengthened user authentication by implementing Spring Security with OAuth2, addressing vulnerabilities identified during audits.
- Enhanced deployment efficiency by streamlining CI/CD pipelines with GitLab and Kubernetes, reducing deployment time by 40%.
- Implemented observability in a Spring Boot microservices architecture using Spring Boot Actuator to expose health, metrics, and application insights.

VMware | *Senior Software Engineer*   **Dec 2021 – Aug 2023**
- Migrated a monolithic application to a Microservices architecture, improving scalability, maintainability, and deployment speed.
- Implemented API Gateway with Spring Cloud Gateway for routing, authentication, and rate limiting.
- Integrated Spring Cloud Config for centralized configuration management across multiple microservices.
- Developed an event-driven system using Kafka for asynchronous processing and real-time data streaming.
- Implemented caching strategies using Redis to enhance application performance.
- Designed and implemented GraphQL queries and Apollo caching strategies, reducing API calls by 40% and improving data fetching efficiency.
- Implemented state management using React Context, Redux Toolkit, for better scalability and Optimized React app performance using React.memo, useCallback, and useMemo, reducing unnecessary re-renders.
- Designed and deployed AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, and Auto Scaling groups, which enhanced system reliability and scalability.
- Integrated AWS Lambda and API Gateway to create scalable RESTful services, handling millions of transactions monthly while maintaining low latency.
- Configured CI/CD pipelines using GitHub Actions, automating deployments, reducing manual effort, and increasing release velocity.

Virtusa | *Software Engineer*   **Aug 2019 – Dec 2021**
- Designed and developed RESTful APIs with clear documentation to facilitate seamless communication between frontend and backend services, improving data flow and system integration.
- Designed and implemented high-performance data pipelines using Java Spring Batch, enabling efficient processing.
- Integrated Spring Boot with ELK Stack (Elasticsearch, Logstash, and Kibana) to enable centralized logging and real-time log analysis for better debugging and issue tracking.
- Enhanced application UI by developing reusable Angular components, incorporating custom directives.
- Designed and implemented custom reusable UI components using Angular Material and Prime Ng.
- Implemented form validation using Reactive Forms and Template-driven Forms, enhancing user experience.
- Integrated RESTful APIs with Angular services, ensuring efficient data fetching and caching data.
- Participated in Agile development, including sprint planning and retrospectives, contributing to improved team productivity

EDUCATION

University of Central Missouri | *Master Of Science, Computer Science*   **Aug 2023 - May 2025**

Audisankara Institute of Technology   **July 2015 - May 2019**

Bachelor of Engineering, Computer Science