Dinesh Reddy Kankanala
Software Engineer

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SUMMARY & OBJECTIVE

Software Development Engineer with 3+ years of experience building high-performance, user-centric applications leveraging AWS, Agile methodologies, and modern frameworks. I excel at designing, developing, and maintaining robust, scalable, and efficient software applications that meet the needs of businesses and end-users. With a keen eye for detail and a commitment to writing clean, maintainable code, I strive to deliver high-quality solutions that drive innovation and success. I aim to work collaboratively with cross-functional teams, continuously learn and adapt to new technologies, and deliver innovative solutions that solve complex business problems.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, C++.

Tools: AWS, Docker, Kubernetes, Maven, GitHub, Jira, Postma, IntelliJ, Eclipse, VS Code.

Cloud Technologies: Microsoft Azure , AWS

Databases: Microsoft SQL Server, MongoDB, PL/SQL, PostgreSQL, DynamoDB.

OS Platforms: Windows, Linux

Methodologies: SDLC, Waterfall Scrum, Agile

Web Development: Spring Framework(Spring Boot, Spring MVC, Spring Data, Spring AOP, Spring Security, Hibernate, Spring Cloud), HTML5, CSS3, Angular, AngularJS, React (Next.js), Node.js, Express, Redux, Ajax, ASP.NET Core, ASP.NET MVC.

PROFESSIONAL EXPERIENCE

DeltaSoft (Client: NOV), *Software Engineer - Full Stack | Charlotte, NC*   **Jan 2023 - Present**
- Developed a Java-based full-stack application leveraging AWS (EC2, S3, Lambda, RDS) and Docker for scalable and cost-effective deployment, achieving a 20% infrastructure cost reduction and a 25% increase in deployment efficiency .
- Built and Customized UI components for the application utilizing HTML, CSS, JavaScript frameworks (Bootstrap, jQuery) and optimized database management with PostgreSQL & MongoDB, resulting in a 25% user satisfaction boost, 30% bounce rate reduction, and 20% decrease in database bottlenecks, alongside a 30% increase in data accuracy.
- Utilized React, Spring Boot and Hibernate to drive a 25% user engagement increase and 15% development time reduction.
- Seamlessly collaborated with distributed teams using Git version control (Git, GitHub, Gitlab) for boost in codebase integrity.
- Streamlined development through effective architecture design (draw.io) and comprehensive system documentation resulting in team productivity increase and 15% reduction in documentation delays.

Tata Consultancy Services (Client : Nissan)**,** *Associate Software Engineer | Pune, India*   **Oct 2020 - Dec 2021**
- Employed Agile methodology (SDLC) with TDD, CI/CD for streamlined development and seamless integration within distributed teams.
- Enhanced application performance with 60% processing time reduction in a medical viewer app (React JS, Java) and optimized database queries with triggers and stored procedures.
- Designed and deployed microservices using Spring Cloud and RabbitMQ, leading to a 40% reduction in processing time.
- Automated test case execution and reporting with Jenkins and Docker, resulting in reduction in post-deployment issues.
- Built a web-based Sprint Retrospective app using Node.js, Angular & PostgreSQL with PDF generation, boosting team productivity by 25%.

Netcidr, *Software Engineer Intern | Hyderabad, India*   **Feb 2020 - Sep 2020**
- Engineered high-performance Java application, achieving a 20% reduction in response times and a 15% system efficiency gain**.**
- Developed efficient RESTful APIs using Java, JSP, JDBC and JSF for a 20% boost in data retrieval and system responsiveness**.**
- Optimized Java applications with jQuery, achieving a 20% client-side performance improvement and seamless backend integration**.**
- Architected scalable JMS solutions and revitalized data access with Hibernate, increasing message delivery reliability by 20%, reducing database query response times by 25%, and improving overall system efficiency**.**

EDUCATION

University of North Carolina at Charlotte, NC, USA   **May 2023**
Master of Science in Information Technology with Emerging Technologies Concentration | GPA: 3.80 / 4.0

Jawaharlal Nehru Technological University, Hyderabad, India   **Jun 2020**
Bachelor of Technology in Electronics Communication & Engineering | GPA: 3.5 / 4.0

ACADEMIC PROJECTS

Games Trading Application | Node.js, Express JS, MongoDB   **Mar 2023**
- Developed a secure games trading web app with modernized UI, utilizing MVC architecture, Node.js, Express JS, and MongoDB, featuring permission-based approval, robust authentication, and password hashing for enhanced data security.
- Automated build, test, and deployment workflows with GitHub Actions, leveraged Amazon EC2 for scalability, AWS S3 bucket for static file storage, and Amazon DocumentDB for efficient data management, ensuring streamlined development and optimized data storage and retrieval.

E-Commerce Application | Spring Boot, Rest API, Angular, MySQL   **Oct 2022**
- The fully operational web application facilitates seamless user experiences, enabling registration, product cart additions, purchases, and transactions. Also, implemented end-to-end encryption to enhance security measures by 30 percent.
- Okta for customize drop-in solution to add authentication and authorization services to applications for 100 plus users.

Go-based Web Application | Golang, PostgreSQL, Rest JS   **Apr 2022**
- Developed a comprehensive web application comprising a RESTful Go-based JSON API built with the Gorilla framework, leveraging PostgreSQL as the backend database for efficient product data management.
- Seamlessly integrated a ReactJS frontend for user-friendly product interaction and a gRPC service supporting real-time currency conversion.
- Designed and implemented a Go-based image service to efficiently handle Gzipped content and image uploads, contributing to a high-performance application.