NAVEEN KUMAR LAKKARAM

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Education

Masters in Computer Science, University of Central Missouri - 2024 - Data Structure's, Advanced Database, Big Data
Oracle Cloud Infrastructure **Generative AI Certified** *Professional*

Work Experience

Capgemini India   **Hyderabad, Oct 2020 to Oct 2022**
Senior Software Engineer   ***Roles and Responsibilities***

- Drove the creation of 15+ application reports and a 2-year release calendar is aware of full **SDLC** by collaborating with agile teams to gather **business requirements** for a **finance client "communication skills"**.
- Reduced application size by 20% and improved debugging ease through the use of Java, Spring Core Annotations, Spring DI, Spring MVC for **REST APIs** and Spring Boot for **microservices with multi-threading**, resolved merge conflicts for 150+ git repositories, server-side development,
- Enhanced **productivity** by **80%** through process improvements and **automation using Jenkins**. Migrated legacy code to latest using **AWS (ECS, Lambda, SNS, API Gateway, EC2, S3 Buckets)**, **React.js, Redux** and Node.js, resulting in a 30% salary hike for team members.
- Developed and maintained dynamic web applications using Angular and React frameworks, implementing responsive user interfaces with **HTML, CSS, Sass, and JavaScript**. Reduced page load times by 30% through optimization of JavaScript and CSS resources, enhancing user experience across multiple devices.
- Boosted advanced security principles and reduced threats for 3+ large-scale applications by implementing multi-factor authentication, single sign-on, and identity management systems. **Multithreading, Annotations, JPA, Hibernate**, JMS, Object Oriented Programming, Lambda, Java Stream API.
- Successfully implemented and optimized big data pipelines using **Spark and Elasticsearch, improving data retrieval efficiency by 40**%. Deployed these pipelines on AWS, resulting in a 25% reduction in operational costs.
- Played a key role in setting up and maintaining a **Docker-based microservices architecture on Kubernetes**, streamlining the deployment process and reducing deployment time by 50%. Enhanced system reliability and scalability through proactive monitoring and troubleshooting.
- Led the end-to-end development of highly scalable software solutions within an agile environment, focusing on research and development of cutting-edge technologies. Reduced **deployment time** by **65-80%** by creating complex automated **CICD pipeline jobs**, improving feedback by 10%.
- I wrote test scripts on **Junit** and performed integration, regression, and end tests. Resolving deployment issues and extensive work with **Advanced Java, Servlets, and JSP** increased efficiency by 15%.

Internships & Projects

Tann Mann Gaadi - Lead Developer [Ziumtail]   *July 2024 to Present*

- Open source project, which solves the size fit problem for every individual here, and uses **Javascript (Node.js), React.js, Storage - MongoDB(NoSQL), Azure, Figma, Kanban** for our basic model.
- Developed an efficient way to match body size with the right clothes, which is 80-95% accurate, including JavaScript Libraries. Led the team, assigned tasks, hosted meetings, became a lead developer, and designed the system with JavaScript Framework.
- Integrated SOAP and RESTful services within single-page applications, streamlining communication between front-end interfaces and backend services. Improved API response times by 25%, resulting in a more seamless and responsive user experience for our customers.

Django React AWS App for Actors   *June 2024 to July 2024*

- Led Full-Stack Development: Spearheaded the end-to-end development of a full-stack feature, integrating Python, React, and SQL to deliver a scalable solution that reduced processing time by 30%. Enhanced the user interface with TailwindCSS, ensuring a responsive and user-friendly experience.
- Enhanced system performance by 20% by implementing optimization strategies and refining database query efficiency.

Java Spring Boot Microservices Project for Hotel Reservation   *Feb 2019 to Aug 2019*

- Developed a full-stack hotel reservation system using **Angular, Java, and Oracle, SQL, GCP** to replace an outdated, slow system. Optimized database queries and applied advanced coding techniques, improving system response time by **20% and enabling 2-4 seconds** image rendering. The microservices architecture and responsive design made the system scalable and maintainable, significantly enhancing user satisfaction.

Leadership & Volunteer Experience

1. Member of United Nations Association of the United States of America(**Resilience, grit, passionate, innovative**)
2. Packed 5000+ meals in just 2 hours, with 120+ people onboard. It was much fun to facilitate children getting nutritious food in Rise Against Hunger. (**Focused, mentoring, reliable, discipline, stability, get things done**)
3. Ranked in Top 5 at TIE GRAD Business Idea Tournament out of 100+ teams(**Took responsibilities, problem-solving, entrepreneurship**)

Personal Interests

Gaming, Developing games, Books that made a big impact: Gita, Atomic Habits, Zero to One, Podcasts: Joe Rogan, We Study Billionaires