VITAL PREM KUMAR

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A Software Engineer with over three years of experience, skilled in both frontend and backend development, and has a strong background in Java technologies. Proficient with Angular, React, Spring Boot, and ASP.NET Core. A quick learner and a great team player, who holds a master's degree in computer science and excited to use his skills to bring fresh ideas and contribute effectively to your organization.

SKILLS

Programming Languages: C, C++, C#, Java, Python, HTML, CSS, JavaScript, SQL
Frameworks: Angular, React, .NET Core, ASP.NET, MVC, Spring Boot, Node
Databases & Web Servers: MySQL, Oracle, MS SQL Server, JSON, Web Logic, Web Sphere
Cloud & DevOps: AWS, Azure
Tools & Others: RESTful APIs, SOAP, Karma Jasmine, Junit, Eclipse, Bootstrap, Data Structures and Algorithms

EXPERIENCE

Web Developer, *Digital Technology Solutions* – United States   *August 2023 – Present*
- Developed modules using **C#** and **ASP.NET** Core framework, ensuring adherence to accessibility guidelines for content updates across the College of Medicine website and related modules, leading to a 30% increase in website engagement.
- Designed and implemented the **Latest News Component** in **C#** that allowed users to toggle image visibility for news articles, improving accessibility for visually impaired users.
- Conducted thorough reviews of website content to ensure compliance with **WCAG** guidelines. Implemented changes to enhance the readability and accessibility of information for all users, including those with disabilities, improving the 20% increase in user satisfaction.

Software Engineer, *Optum Global Solutions* – India   *September 2022 – July 2023*
- Participated in all stages of the **software development life cycle**, such as design and analysis, requirement gathering and application development of customer specifications.
- Operated within an Agile environment, which included **sprint planning**, **daily stand-up meetings**, **Jira tickets**, **retrospectives**, reviews, and documentation.
- Created a **microservice** for a healthcare platform using **Java** and **Spring Boot** that handled appointment scheduling. This system automated appointment matching based on patient health data, improving scheduling efficiency.
- Integrated **RESTful APIs** to manage communication between the front-end and back-end services, enhancing data flow and system performance.
- Built the client-side interface using **Angular**, enabling real-time updates on available appointments, improving user experience and increasing appointment bookings by **25%**.
- Performed unit testing using **Karma** and **Jasmine** for Angular components, achieving **95% defect-free production rate** by identifying bugs early in the development cycle.
- Implemented comprehensive unit tests using **JUnit** for the **Spring Boot** services, achieving **85% defect-free production rate**.
- Managed a **MySQL** database, optimized SQL queries, and applied indexing strategies, reducing the query execution time and improving overall system performance.

Analyst, *Deloitte*– India   *March 2021 – September 2021*
- Effectively carried out the responsibilities of a ServiceNow system administrator, managing configuration, optimization, and user assistance.
- Contributed to the creation of tables, fields, forms, and service catalogs, which grew user productivity and process efficiency by 25%.
- Reorganized user interactions and service requests by writing JavaScript for the ServiceNow platform to improve and personalize the service catalog functionality.

EDUCATION

University of Cincinnati, Ohio   *Aug 2023 – April 2025*
  Masters (MS) in Computer Science

University College of Engineering, Osmania University, India   *Jun 2017 – July 2021*
  Bachelor of Engineering in Computer Science and Engineering

PROJECTS

Web Blog Application
- Built a full-stack blog application using Spring Boot and Angular, offering integrated front-end and back-end functionality for managing blog posts, images, and user engagement metrics.
- Implemented features for uploading images and tracking post metrics, resulting in a 15% increase in user interaction.

ACADEMIC ACHIEVEMENTS

- Recognized with a Certificate of Appreciation from the University of Cincinnati for unwavering commitment to the DTS mission.
- Led the University of Cincinnati Cricket Club as captain, overseeing all on and off-field activities, planning practices, developing game strategies, motivating teammates, and representing the club in competitions.