Zaheer Abdul

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PROFESSIONAL SUMMARY

I am a software engineer with 2.5 years of experience specializing in full-stack development. I have a proven track record of delivering robust web applications and efficient software solutions. My expertise includes working with various technologies across the development stack to build scalable and maintainable systems.

EXPERIENCE

Software Developer Assistant — Aug 2022 – May 2024
University of Maryland Baltimore County — *Baltimore, USA*

- Contributing to the comprehensive development and successful delivery of full stack web applications, continually enhancing technical skills, and effectively demonstrating innovative web application projects.
- Mentoring up to 80 students in web development, providing expert and personalized guidance, grading assignments, and actively assisting the professor in thoroughly evaluating and improving student projects.

Full Stack Developer — May 2023 – Aug 2023
CowanSystems , LLC. — *Baltimore, USA*

- Specialized in full-stack web development, emphasizing Angular for front-end design; optimized back-end operations, reducing load time and boosting user satisfaction by 20% through continuous feedback integration.
- Stimulated Azure Functions for back-end development, cutting API response time by 30% through enhanced database queries. Managed a 40% surge in concurrent users by leveraging scalable infrastructure such as Kubernetes.
- Administered MySQL as backend database, implementing indexing strategies, resulting in a 25% boost in performance; reducing query execution times to 150ms from an average of 200ms, ensuring optimal database functionality.

Software Engineer — Sep 2021 – Aug 2022
Accenture Solutions Pvt. Ltd. — *Remote*

- Led a team in Java Spring Boot microservices development, enhancing Walmart's sales platform with crucial product validations, ensuring accuracy and reliability.
- Engineered algorithms to enhance discount precision, reducing pricing errors by 40% through automated price validation systems and increasing customer satisfaction by 25% via improved customer communication channels.
- Adapted Java 8, ReactJS, NextJS, NodeJS, and ExpressJS to develop a scalable microservices architecture, resulting in a 15% improvement in system efficiency by streamlining with task prioritization, ensuring optimal platform performance.

Web Application Developer — Oct 2020 – Nov 2020
The Spark Foundation — *Remote*

- Developed a secure banking web app with integrated payment gateway, ensuring PCI compliance and improving user experience with streamlined payments, reducing transaction time by 15% with the implement efficient caching strategies.
- Designed a digital banking interface, ensuring reliability through rigorous performance and scalability testing, leading to a 20% increase in successful transactions and improved satisfaction among users.
- Revamped banking operations through the implementation of a cutting-edge digital platform, resulting in a 40% increase in mobile transactions and a 25% improvement in customer satisfaction metrics.

AI Application Developer — May 2020 – Jun 2020
Smart Bridge Pvt. Ltd — *Remote*

- Implemented Watson Assistant for Help Desk, cutting resolution time by 30% and boosting satisfaction; developed new API infrastructure for expanded capabilities.
- Directed solution reliability through code and data pipeline testing; integrated reporting and monitoring, enhancing performance and maintainability.
- Trained 500+ documents with Watson Discovery, integrated with Node Red for faster responses; collaborated across teams, contributing to design and research, showcasing expertise in database systems.

EDUCATION

University of Maryland, Baltimore County | *Graduate Assistant* — Baltimore, MD, USA
Master's in Computer Science (CGPA-3.7/4.0) — *Aug 2022 – May 2024*

Velagapudi Ramakrishna Siddhartha Engineering College — Vijayawada, India
Bachelor's in Information Technology (CGPA-3.42/4.0) — *Jun 2017 – Jul 2021*

TECHNICAL SKILLS

Languages: Java, Python, C, C++, C# (.NET), SQL, JavaScript, TypeScript, HTML, CSS (bootstrap, Tailwind).
Integrated Tech Stack: Angular, React.js, Next.js, Vue.js, Spring, Spring Boot, Node.js, Express.js, REST API, MySQL, SQL Server, MongoDB, jQuery, JSON, Docker, Agile, JUnit, AWS, Azure, IBM cloud Services, Linux, Salesforce, PEGA.
Certifications: Azure Fundamentals, Certified Salesforce Platform Developer-1, Certified Pega Senior System Architect.
Publication: Automatic Detection of Sewer Defects via Hierarchical Deep Learning. (ICCES 2021 International Conference)