Zaheer Abdul

347-213-3626 | [zaheertoday@gmail.com](mailto:zaheertoday@gmail.com) | | [Portfolio](https://zaheerabdul.netlify.app/) | [LinkedIn](https://www.linkedin.com/in/abdulzaheermd/)

# Professional Summary

A highly skilled Software Engineer with up to 3 years of hands-on experience in **Python**, **Java**, **SQL**, and **Embedded C**. Adept at **web application development** using **AngularJS**, **React.js**, **Vue.js**, and **Node.js**, with strong backend expertise in **Spring Framework**, **Dot-Net**, and **Microservices**. Proficient in **cloud platforms** such as **AWS**, **Azure**, and **Salesforce**, with certifications in **AWS Cloud Solutions Architecture**, **Salesforce DevOps**, and **Azure Fundamentals**. Demonstrates solid experience in **databases** like **MySQL**, **MongoDB**, and **Oracle**. Experienced in using **DevOps tools** like **Docker**, **Kubernetes**, **Jenkins**, **GitHub**, and **Terraform** to deliver scalable, secure, and efficient software solutions. A dedicated problem solver with a passion for **Agile/Scrum methodologies**, CI/CD automation, and integrating **testing tools** such as **JUnit**, **Selenium**, and **Postman** to ensure smooth and reliable software delivery.  
  
Key Achievements

* Led the development of a **microservices-based architecture** for a large enterprise application, improving scalability by 35%.
* Optimized CI/CD pipelines using **Jenkins**, reducing deployment time by 40% and increasing release frequency.
* Developed a cloud-native application using **AWS** and **Azure**, reducing infrastructure costs by 25% through the use of **serverless computing**.
* Successfully migrated a legacy system to **Salesforce**, streamlining customer relationship management and reducing system downtime by 30%.
* Automated testing workflows using **JUnit** and **Selenium**, cutting down manual testing hours by 50%.
* Designed a **REST API** for a healthcare system, improving data access times by 20% and ensuring compliance with security standards.
* Deployed a containerized application using **Docker** and **Kubernetes**, improving system scalability and reducing resource usage by 30%.
* Led the integration of **Terraform** into the infrastructure setup, automating the provisioning of resources and reducing manual errors.
* Enhanced database performance by optimizing **PL/SQL** queries, improving response times by 20%.
* Worked closely with cross-functional teams to deliver a **cloud-based microservices application**, enhancing scalability and reliability.
* Implemented **Agile/Scrum** methodologies, resulting in a 15% increase in team productivity and faster delivery cycles.
* Used **Postman** and **SoapUI** to test and debug RESTful web services, reducing API response errors by 25%.
* Achieved **AWS Certified Cloud Solutions Architect - Associate**, demonstrating expertise in **AWS architecture** and **cloud technologies**.
* Automated sales pipeline management using **Copado Salesforce DevOps**, improving deployment efficiency and reducing error rates by 20%.
* Delivered comprehensive training on **Azure cloud services**, improving cloud adoption rates across the organization by 40%.

# Professional Work Experience

**University of Maryland Baltimore County – Baltimore, USA Jan 2023 – Aug 2024**

**Research Software Engineer**

**Responsibilities:**

* Developed and maintained enterprise-level web applications using **AngularJS** and **React.js**, improving user engagement by 20%.
* Built scalable **microservices** architecture with **Spring Framework** and **REST APIs**, reducing downtime and increasing scalability by 30%.
* Designed, deployed, and managed applications on **AWS** and **Azure**, leading to a 25% reduction in cloud infrastructure costs.
* Optimized databases by implementing efficient **PL/SQL** queries, resulting in a 20% reduction in query execution time.
* Managed containerized environments using **Docker** and orchestrated multi-container applications with **Kubernetes**.
* Automated CI/CD pipelines using **Jenkins**, improving release cycles and reducing manual intervention by 40%.
* Integrated **GitHub**, **Terraform**, and **Ansible** to automate infrastructure provisioning, reducing setup time by 30%.
* Developed and tested RESTful services using **Postman** and **SoapUI**, ensuring secure data transfers and reducing bugs by 15%.
* Deployed and maintained **cloud applications** using **Salesforce** and **Azure App Services**, improving application uptime by 99.5%.
* Led a team to implement **Agile/Scrum** best practices, resulting in faster delivery cycles and improved project management.
* Ensured application performance and reliability by using **JUnit** for unit testing and **Selenium** for automated testing.
* Managed deployment of containerized applications on **AWS** and **Azure** with **Kubernetes**, improving scalability and resource management.
* Collaborated with cross-functional teams to design and implement a scalable solution for customer data management.
* Used **Maven** for build automation, improving code integration and reducing build times.
* Monitored application performance using **Jira**, proactively identifying and addressing issues to ensure optimal functionality.

**Cowan Systems LLC – Baltimore, USA May 2023 – Aug 2023**

**Full Stack Developer**

**Responsibilities:**

* Deployed cloud-native applications on **AWS** and **Azure**, improving cloud infrastructure efficiency and reducing costs by 20%.
* Developed backend services using **Node.js** and **Spring Framework**, ensuring seamless data transfer and integration across systems.
* Automated deployment processes using **Jenkins** and **Terraform**, reducing deployment times by 50%.
* Integrated **Docker** and **Kubernetes** for application containerization, improving scalability and flexibility for client projects.
* Collaborated with database administrators to optimize **MySQL** and **MongoDB** queries, reducing latency by
* 15%.
* Designed and implemented **RESTful APIs** to enhance communication between cloud-based services and client systems.
* Used **Ansible** and **Terraform** for automating infrastructure deployment and configuration management, reducing manual errors.
* Developed and maintained CI/CD pipelines in **GitHub** and **Jenkins**, improving code integration and deployment processes.
* Conducted unit and integration testing using **JUnit** and **Selenium**, ensuring high-quality code delivery.
* Automated testing processes using **Cucumber**, reducing manual testing effort and improving test accuracy.
* Managed infrastructure-as-code deployments using **Terraform**, ensuring consistency and scalability across environments.
* Collaborated with cross-functional teams to design and implement a **cloud-based data lake** using **Azure Data Lake** and **AWS S3**.
* Created comprehensive documentation for cloud deployments and DevOps processes, improving team collaboration and knowledge sharing.
* Participated in sprint planning and retrospectives, applying **Agile** methodologies to ensure efficient project management.
* Supported the deployment and monitoring of cloud services using **Azure Functions** and **AWS Lambda**, improving application response times.

**Accenture Solutions Pvt Ltd. Sep 2021 – Aug 2022**

**Software Development Engineer**

**Responsibilities:**

* Assisted in building and deploying cloud-native applications on **AWS** and **Azure**, reducing deployment times by 30%.
* Automated infrastructure setup using **Terraform** and **Ansible**, reducing provisioning times and ensuring consistent configurations.
* Developed cloud-based microservices using **Node.js** and **Spring Framework**, improving system scalability and resilience.
* Integrated **Docker** containers with **Kubernetes**, enabling seamless deployment and scaling of applications.
* Implemented **CI/CD pipelines** using **Jenkins** and **GitHub**, improving deployment automation and reducing errors.
* Managed databases in **MySQL** and **MongoDB**, optimizing performance through query tuning and indexing.
* Developed and tested RESTful web services using **Postman** and **SoapUI**, ensuring secure and efficient data transfers.
* Assisted in cloud application deployments using **AWS EC2**, **Azure App Services**, and **Azure Functions**.
* Worked with **Agile teams** to develop cloud-based solutions, contributing to sprint goals and improving project velocity.
* Automated test cases using **JUnit** and **Selenium**, improving code quality and reducing bugs by 20%.
* Optimized database performance by implementing efficient **PL/SQL** queries and indexing strategies.
* Configured and maintained containerized applications using **Docker**, improving scalability and reliability.
* Assisted in monitoring and troubleshooting **cloud-based** applications using **AWS CloudWatch** and **Azure Monitor**.
* Documented DevOps workflows and infrastructure setups to ensure seamless knowledge transfer across teams.
* Supported cloud migration efforts by configuring **AWS S3** and **Azure Blob Storage** for secure and scalable data storage solutions.

# Technical Skills

**Languages**: Python, Java, SQL, NoSQL, Embedded C, C++, C#, JavaScript

**Web Development**: AngularJS, React.js, Vue.js, Node.js, Spring Framework, Dot-Net, REST API, Microservices

**Databases**: MySQL, MongoDB, Oracle, Cassandra, PL/SQL, SQL Server, DynamoDB, AWS S3.

**Cloud Platforms**: AWS, Azure, IBM Cloud Services, Salesforce, GCP

**DevOps Tools**: Docker, Kubernetes, Jira, Jenkins, GitHub, Maven, Ansible, Terraform, Git, Agile, Scrum, Kanban

**Testing Tools**: JUnit, Selenium, Cucumber, Postman, SoapUI

# Education

* Master’s in computer science, University of Maryland Baltimore County - **GPA: 3.7 May 2024**
* Bachelor’s in computer science, VR Siddhartha Engineering College - **GPA: 3.5 Jul 2021**

# Certifications

* **AWS Certified Cloud Solution Architect - Associate Aug 2024**
* **Certified Copado Salesforce DevOps Administrator Apr 2021**
* **PEGA Certified Senior System Architect Jan 2021**
* **Microsoft Azure Fundamentals (AZ -900) Nov 2020**
* **Salesforce Certified Platform Developer 1 Oct 2020**