Adnan Zafar

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An enthusiastic Software Developer with a keen interest in building practical and impactful solutions, with experience in programming and DevOps. Diverse projects include a blog management platform and a real-time video analysis tool. Enjoying solving complex problems, learning new technologies, and collaborating with teams to create efficient and user-focused solutions, I am looking forward to contributing in the role of Software engineering and development.

SKILLS

Software Development: C#, Java, Python, C++, Go, Kotlin, Ruby; .NET Core, Flask, Django; Agile methodologies (Scrum, Kanban), JIRA, Trello
System Architecture & Backend: Microservices, REST APIs, GraphQL, .NET Core Web API, OAuth2, JWT
Databases: MS SQL, MySQL, PostgreSQL, MongoDB; Query optimization and indexing strategies
Cloud & DevOps: AWS, Docker, Kubernetes, Jenkins, GitHub Actions, Azure DevOps; CI/CD pipelines
Machine Learning: YOLOv8, TensorFlow, Scikit-learn, Pandas; Data visualization and analysis
Testing: JUnit, xUnit, Jest, PyTest; Test-driven development
Web: React, Angular, Astro, Next.js, Node.js, ASP.NET Core, PHP; HTML, CSS, JavaScript, Bootstrap, JQuery

WORK EXPERIENCE

Developer/Designer   **February 2024 - Ongoing**
Fantech, Melbourne
I develop applications using .NET Core, update legacy ASP.NET and C++ systems, integrate software through APIs, optimize databases and WordPress platforms, solving complex problems, and prioritizing performance and UI/UX.
- Developing applications in .NET Core and refactoring legacy ASP.NET and C++ systems by applying modular design patterns and using Apache JMeter for stress testing leading to a 20% reduction in downtime.
- Designing and implementing RESTful API integrations, testing endpoints with Postman and optimizing database performance by 25% through indexing strategies for MS SQL, MySQL, and Access.
- Refining WordPress SEO using SEMrush for keyword analysis, boosting visibility and engagement.

Coding Intern   **February 2023 - May 2023**
AMLCloud, Melbourne
I developed Python scripts and integrated AI models to enhance the Anti-Money Laundering software, collaborating with the development team to address key challenges in accuracy and efficiency.
- Improved address matching accuracy by 20% through Python scripts integrated with the GPT model.
- Increased software efficiency by 25% by implementing automated testing workflows and debugging optimizations using Pandas and Scikit-learn.

Software Development Intern   **August 2022 - November 2022**
Aubot, Melbourne
I contributed to a Python and Java-based educational platform for children, working with designers and educators.
- Built coding challenges and simulations with optimized data structures, enhancing platform retention by 20% and providing a scalable codebase.
- Created child-friendly UI/UX elements in Flask, using design principles to improve user satisfaction.

Software Developer Intern   **July 2021 - November 2021**
Xperi, Remote (San Jose, California)
I worked on microservice architecture to enhance the scalability and reliability within a Java and Docker environment, collaborating with cross-functional teams to improve performance and deployment strategies.
- Developed and deployed microservices using Docker, boosting service scalability and reliability by 15%.
- Optimized web service performance on Tomcat servers in a Linux environment by implementing load balancing and fine-tuning server configurations, increasing response efficiency by 10%.

EDUCATION

Swinburne University of Technology   **February 2021 - December 2023**
Bachelor of Computer Science (Software Development) | GPA: 3.875/4.00
Awards: Emerging Leader, Letter of Commendation, Swinburne Excellence Scholarship, Certified Carbon Literate.

CERTIFICATIONS

Amazon Web Services (AWS) cloud Practitioner Certificate
Demonstrated foundational cloud knowledge including AWS services, infrastructure, and deployment best practices.