Fahad Ahmed

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Education

Kristu Jayanti College   Bangalore, India
Bachelors of Computer Applications; CGPA:8.76   **June 2018 – August 2021**

Skills

- **Languages:**   Python, SQL, HTML, CSS, JavaScript
- **Framework:**   Django, React
- **Tools:**   Git, Docker, Ansible
- **Platforms:**   Visual Studio Code, AWS Console, GitHub
- **Technologies:**   Amazon Web Services, REST API, Object Oriented Programming (OOP)

Work Experience

Technical Support Engineer | HP | Part-time   **June 2021 – February 2022**

- Delivered expert technical support for commercial laptops, resolving complex hardware and software issues to enhance customer satisfaction.

- Conducted comprehensive training to diagnose and troubleshoot diverse technical challenges, ensuring a deep understanding of support protocols.

- Facilitated efficient case management by gathering user information and documenting troubleshooting steps, while implementing both onsite and offsite solutions for timely issue resolution.

Junior Software Engineer | Cognizant | Full-time   **February 2022 - Present**

- Monitored and collected metrics for AWS services such as EC2, Lambda, RDS, ECS, and EKS, categorizing them based on Google's Golden Signals to ensure system reliability and performance.

- Collaborated with the application team to prepare comprehensive documentation detailing the client's application architecture, technologies used, and user-reported issues, enabling the SRE team to devise metrics to proactively address potential problems.

- Authored Component Verification Process (CVP) documentation for multiple technologies (Oracle, RabbitMQ, IBM MQ), outlining systematic steps to verify the operational health of each component.

- Automated component verification checks using Ansible, developing playbooks to execute CVP steps for various technologies hosted on AWS EC2 instances, enhancing operational efficiency and reducing manual interventions.

- Utilized Hashi-Corp Vault for secure storage of sensitive data such as database credentials and incorporated it with the automation process to ensure compliance with security best practices.

- Achieved AWS Certified Developer – Associate and AWS Certified DevOps Engineer – Professional certifications, enhancing cloud and DevOps proficiency.

Projects

Student Buddy | Link

- Developed a student management system using core OOP principles like classes, inheritance, and abstraction to model and manage student data efficiently.
- Leveraged instance methods to manipulate class objects, enabling functionalities such as updating student profiles and calculating grades, while using Pandas and the CSV module for data persistence.
- Ensured modularity by utilizing inheritance for specialized student types and abstraction to expose only necessary functionalities, enhancing system scalability and maintainability.

Tawakkal Ventures - Real Estate Management Website | Link

- Engineered a Django-based web platform allowing the admin to manage property listings, including adding real estate details, images, and project statuses.
- Integrated a contact form for inquiries, providing a streamlined interface for managing real estate data in this freelance project.

Wisdom International School - School Management Website | Link

- Engineered a Django-based web platform for the admin to upload announcements, event images, and student achievements, ensuring efficient content management.
- Added a contact form for easy communication and built a scalable platform for managing school-related updates in this freelance project.

BeWise Academy - Online Learning Platform | Link

- Constructed a Django-based website for the admin to manage course materials, blog uploads, student registrations, and set up a quiz feature for assessing the knowledge of new students before enrolment.
- Integrated a payment gateway for students to pay their tuition fees online, along with a contact form to facilitate communication and a feedback form to gather valuable insights, enhancing the academy's digital services in this freelance project.

Certificates

AWS Academy Graduate

- Gained foundational knowledge of AWS services and best practices for building, deploying, and securing cloud-based applications.

AWS Certified Developer – Associate | Link

- Acquired expertise in AWS services such as Lambda, EC2, RDS, and more, focusing on building, deploying, and debugging cloud-based applications using core AWS development tools.
- Demonstrated proficiency in application development, security best practices, and monitoring within the AWS environment.

AWS Certified DevOps Engineer – Professional | Link

- Specialized in automation, CI/CD pipelines, and infrastructure as code (IaC) using AWS services like CodePipeline, CloudFormation, and ECS, optimizing software delivery and system reliability.
- Showcased advanced skills in security controls, governance, and troubleshooting complex architectures on AWS, aimed at ensuring operational excellence.

Microsoft Technology Associate: Introduction to Programming Using JavaScript

- Acquired foundational knowledge in JavaScript programming, focusing on essential concepts such as syntax, variables, data types, and control structures to build dynamic web applications.
- Developed skills in working with functions, events, and objects, enhancing the ability to create interactive and user-friendly interfaces.