SHAIK ABDUL KHUMAINI

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3-189, Market Centre, CHINNAGANJAM 523135

Cloud / Data / Full Stack Engineer

Cloud Solutions Architect with a stellar score of **996/1000** in **AWS Certified Developer – Associate**. Skilled in designing cost-effective multi cloud solutions, automated CI/CD pipelines, and infrastructure as code. Proficient in web development, microservices, and data engineering, including **scalable data pipelines** and implementing **data processing workflows**. Seeking a challenging role to drive innovation in mission-critical systems and data engineering.

Technical Skills

Cloud Platforms: Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP)

DevOps: Docker, Kubernetes, Jenkins, Terraform, Ansible, YAML, AWS Code Pipeline, AWS OpsWorks

Azure DevOps: Azure Pipelines, Environments, Releases, Deployment Groups, Repos, Artifacts, Test Plans, Boards, Backlogs, Sprints, Work item

Version control: Git, GitHub

Frameworks: Spring Boot, Spring MVC, Spring AOP, Spring JDBC, Hibernate, Spring ORM, Node, Express, Angular, Playwright

Web Technologies: HTML, CSS, JavaScript, J2EE, REST API, Web Services

Azure Data Engineering: Azure Databricks, Azure Data Lake, Azure Data factory, Apache Spark

Languages: C, Java, Python, JS, TS, Shell Script, C#

Professional Experience

Associate Software Engineer – CAREMONITOR Sydney, Australia (Remote) **May 2023 – Present**

- Designed and developed micro applications, boosting project efficiency by 30% and cutting development time by 25%.
- Collaborated with stakeholders to create scalable micro apps using **Angular, Node**, and JavaScript, ensuring seamless system integration.
- Led the development of **Cron Jobs** in Amazon EC2, efficiently handling multiple requests.
- Developed internal company modules like schedulers, alerts, and patient communications in the backend.
- Developed **automated test scripts** and executed end-to-end tests for the CareMonitor portal using Playwright, reducing manual testing by 50%.
- Managed deployment pipelines with **GitHub Actions**, integrating automated testing into CI/CD processes to improve software quality and accelerate release cycles.
- Executed migration of 5,000+ assessments and 43,000+ clinical metrics without issues or rollback.
- Prepared reporting data schemas for different clients.
- Participated in code reviews to maintain best practices and code quality, working with cross-functional teams to optimize processes and enhance product quality.

Skills: Angular, Node, TS, Playwright, Micro apps, AWS, GitHub Actions, Data Migration, Reporting Data Schemas

Certificates

- AWS Certified **Developer Associate** with top score of **996**, AWS – August, 2024 (https://bit.ly/KhumainiDAV)
- Google Cloud Certified **Associate Cloud Engineer**, Google Cloud – May, 2023. (https://bit.ly/KhumainiACE)
- AWS Certified **Cloud Practitioner**, Amazon Web Services – December, 2022. (https://bit.ly/KhumainiCCP)
- Microsoft Certified **Azure Fundamentals**, Microsoft Azure – April, 2023. (https://bit.ly/KhumainiAZ900)
- Google Cloud Certified **Cloud Digital Lea**der, Google Cloud – December, 2022. (https://bit.ly/KhumainiCDL)
- Certified in **Database Management System** and Certified in **Python for Data Science** from NPTEL – 2021.

Projects

A Machine Learning approach for AWS EC2 Spot instance bidding price prediction using RRF – Python
- Developed a **Django** web application hosted on **AWS Elastic Beanstalk**, utilizing the Random Forest Regression (RRF) algorithm to predict AWS **EC2 Spot instance** bidding prices in various regions.
- Implemented machine learning techniques to forecast one-day and one-week ahead prices, enhancing cost optimization strategies for EC2 Spot instance usage.
- Leveraged AWS RDS for efficient data storage and management, ensuring scalability and reliability of the application.

WebShopping – shopping cart – Java EE
- Designed and developed a comprehensive e-commerce platform, WebShopping, using Java EE, enabling users to purchase products online with ease.
- Successfully implemented J2EE components, including **servlets and beans**, to facilitate seamless data transfer and efficient application logic.
- Utilized **JSF** for creating user-defined views and validations, and **JSP** for rendering dynamic views, providing an engaging user experience.

Node API to publish data – CloudFormation, Node, Express
- Developed a data API in **Node** with Express for handling HTTP requests, utilizing **AWS RDS** for data storage and **CloudFormation** for infrastructure deployment.
- Leveraged **Postman** for API testing and **CloudWatch Logs** for monitoring, gaining expertise in Node, CloudFormation, and Express.

CSV Parser and Data API – AWS Lambda, Event Bridge, S3, Cloud Watch
- Implemented an **AWS Lambda** function triggered by **S3** bucket uploads using **AWS Event Bridge**, parsing CSV files and posting data to a custom API using Node.
- Gained expertise in Lambda, Lambda triggers, CloudFormation, and **CloudWatch Logs**, ensuring efficient and reliable data processing.

Education

Bachelor Of Technology in Computer Science & Engineering, Bapatla Engineering College - 9.47 CGPA March 2023
Intermediate (12th Class) in MPC, Vignana Bharathi Junior College – 10 CGPA   March 2019
Matriculation (10th Class), Satyam High School - 9.8 CGPA   March 2017

Awards

Received **APJ ABDUL KALAM PRATIBHA AWARD** from **State government of ANDHRA PRADESH** in 2017.