Arunkumar A

SUMMARY

- Seasoned professional with 4+ years of experience in software engineering and data analytics, specializing in cloud and big data technologies, with hands-on expertise in CI/CD deployment using AWS services (ECS, EKS, EC2, SAM, Amplify, Elastic Beanstalk) and Jenkins.
- Proficient in ETL development, focusing on deriving actionable insights from complex datasets and optimizing data workflows. Expert in creating data visualizations and dashboards using Power BI, enabling data-driven decision-making and business intelligence.
- Collaborative team player, aligning technical solutions with business objectives to ensure effective achievement of organizational goals while continuously driving innovation.

EDUCATION

Executive Post Graduate Programme in Business Analytics   **JUL 2022- JUL 2023**
Upgrad certificate issued by Loyola Institute of Business Administration, Chennai, TN
- Relevant Coursework: ETL & ELT, Business Intelligence Tools, Machine Learning, Language used Python, SQL, Cloud concept**.**

Bachelor of Engineering, Electrical and Electronics Engineering   **JUL 2016 – JUN 2020**
Anna University – RMD Engineering College, Chennai, India – **8.32/10 CGPA** first class with distinction
- Relevant Coursework: Computer Programming, Object Oriented Programming and Lab, Embedded Systems, Microprocessors and Microcontrollers.

SKILLS

- **Web Technologies:** Python, FastApi, Streamlit.
- **Database:** PLSQL, PostgreSQL DB, MYSQL.
- **Data Analytics & ETL:** Power BI, Tableau, QuickSight, Pyspark, Talend, Azure Data Factory, Azure DataBricks, Azure Synapse Analytics, AWS glue, AWS Athena, Snowflake.
- **Cloud & DevOps:** Cloud Concepts - Azure & AWS, Docker, Kubernetes, Terraform, Ansible, Jenkins, GIT, Grafana, Prometheus, Jenkins, SonarQube.
- **Azure power platform:** Power Apps, Power Automate, Power Virtual agents.

EXPERIENCE

Senior Software Engineer-   **MAY 2022 – At Present**
HCL Technologies., Bangalore, India

- Automated MO/RTP Power BI Dashboard workflows to streamline R&D initiatives, delivering performance insights for critical features and expediting innovative solution development.
- Designed user-centric dashboards using Figma to enable advanced data visualization, enhancing strategic decision-making processes.
- Collaborated with product owners to gather requirements and build Power BI and Python-based reports, securing stakeholder approval for implementation.
- Developed automated organization-wide approval workflows and gate pass issuance systems using Power Automate and Power Apps, significantly reducing manual intervention.
- Streamlined complex reporting cycles (Monthly, Quarterly, Yearly) across multiple business units by leveraging Power BI, Python, and VBA, reducing manual effort and improving efficiency.

Data Analyst and Business Intelligence Developer   FEB 2021 – APR 2022
HCL Technologies., Bangalore, India

- Implemented robust data processing workflows using Azure Data Factory and Synapse Analytics, enhancing organizational data accessibility and analysis capabilities.
- Developed and maintained data lakes with Azure Data Lake Storage (ADLS), prioritizing scalability and security.
- Designed and delivered interactive, data-rich dashboards with Power BI and Figma, driving informed decision-making and strategic planning through advanced data visualization.
- Automated business workflows with Power Platform tools such as Power Automate and Power Apps, streamlining operations and reducing process errors.
- Built automation flows for spending approvals, SharePoint site creation, and M365 Team channel setup, utilizing Power Automate and Power Apps to enhance efficiency and collaboration.

Graduate Engineer Trainee   AUG 2020 – JAN 2021
KPIT Technologies., Bangalore, India

- Conducted research on AutoStar systems and LiDAR sensor integration for autonomous vehicles, focusing on real-time data processing and obstacle detection algorithms.
- Assisted in the design and implementation of control algorithms for autonomous navigation, including path planning and vehicle dynamics control.
- Contributed to the development of simulation models using MATLAB/Simulink to evaluate the performance of autonomous driving systems under various scenarios.

HANDS-ON EXPERIENCE

- Deployed a globally available tracking application on ECS/EKS, leveraging Application Load Balancer (ALB) and AWS Route 53 for efficient traffic distribution and high availability.
- Implemented CloudFront as a global CDN to optimize content delivery, ensuring low-latency access to users worldwide.
- Automated infrastructure management using Terraform and CloudFormation, enhancing scalability and reducing manual intervention.
- Integrated monitoring and logging with CloudWatch and Grafana, enabling real-time performance tracking and proactive issue resolution.
- Experienced in deploying applications using AWS SAM, Elastic Beanstalk, and AWS Amplify to streamline serverless, scalable, and full-stack application deployments.
- Maintained infrastructure with Terraform and managed configurations using Ansible.
- Basic scripting knowledge in PowerShell and Linux shell.

CERTIFICATION

- Microsoft Certified: Power Platform Fundamentals
- Microsoft Certified: Power Platform developer
- Microsoft Certified: Azure Fundamentals
- Microsoft Certified: Security, Compliance, and Identity Fundamentals (SC-900)
- Microsoft Certified: Power BI Data Analyst Associate
- AWS Solution Architect Associate