Suman Kumar Bera

CAREER SUMMARY

- Senior AWS Engineer
  MARCH 2024 – Till Date

PROFESSIONAL SUMMARY

- **4+ years of experience in IT**, with a focus on **Cloud & DevOps**, working extensively with **AWS** and **Microsoft Azure** platforms.
- **Certified Azure Administrator Associate (AZ-104)** with hands-on expertise in **AWS Cloud** and **Azure Cloud**.
- Proficient in version control systems like **GIT**, **GitHub**, **GitLab**, and **Bitbucket**, with extensive experience in **CI/CD pipeline creation** using **AWS CodePipeline**, **GitHub Actions**, **Jenkins**, **GitLab CI/CD**, and **Bitbucket Pipelines**.
- Successfully deployed applications built on various technologies such as **Node.js**, **Angular**, **PHP**, **Python Django**, **Laravel**, **CodeIgniter**, **CakePHP**, and **Next.js**.
- Extensive experience in **container orchestration** with **Docker** and **Amazon ECS**, as well as **serverless deployments**.
- Expertise in **auto-scaling server setups** integrated with **CI/CD** pipelines and **enterprise-level infrastructure** management.
- Skilled in ensuring **PCI compliance** for applications and utilizing a variety of **AWS tools**, including **VPC**, **EC2**, **RDS**, **ECS**, **MySQL**, **PostgreSQL**, **Redis**, **Elasticache**, **SES**, **SNS**, **S3**, **System Manager**, **Secret Manager**, and **IAM**.
- Experience in setting up and managing **server infrastructure** from scratch to production, including full-scale **CI/CD environments**.
- Currently serving as a **Senior AWS Engineer** at **AQB Solutions**, having successfully delivered over **15 projects**.

TECHNOLOGY EXPERTISE

Web & Cloud Technologies	• PHP • Node JS • Angular • Wordpress • Next JS • Django • Microsoft Azure • AWS	• Sonarqube • Windows Server • Linux Server
Database	• AWS RDS • MySQL • MongoDB	• PostgreSQL • GraphDB
Versioning & Deployment Tools	• Git • GitLab • Bitbucket • Code commit	• Docker • Docker Compose
CI/CD Tools	• AWS CodePipeline • GitHub Actions • Jenkins	

Scripting	● Bash Scripting, Python	
Containerization	● ECS Fargate, ● Heroku	
Infrastructure as Code (IaC)	● Terraform	

Education Details

B.Tech in CSE from Seacom Engineering College, MAKAUT

MAJOR PROJECTS

Organization **aQb Solutions** **Customer Location** **UK** **Technologies & Tools Used** Linux,Apache, MySQL,Wordpress **Team Size** 4+	**Projects: E-commerce platform** **Projects Description:** I was responsible for ensuring PCI compliance for the e-commerce platform. My role focused on securing the application by managing port security, keeping the application and its dependencies up-to-date, and addressing vulnerabilities to meet PCI DSS standards. This involved hardening the server environment, restricting unnecessary access, and implementing other security best practices to protect sensitive payment data, successfully passing the PCI compliance audit. **Role: Senior AWS Engineer**

Organization **aQb Solutions** **Customer Location** **USA** **Technologies & Tools Used** Linux, Apache, MySQL, PHP, S3 Jenkins,Bitbucket,AWS **Team Size** 5+	**Projects: Real-Estate Management System** **Projects Description:** I was responsible for configuring and managing the infrastructure for a Real-Estate Management System. I set up the server using the LAMP stack (Linux, Apache, MySQL, PHP) and integrated an RDS MySQL database for scalable and reliable data management. Additionally, I configured AWS S3 for secure storage of media assets. To streamline the deployment process, I built a Jenkins pipeline for automated CI/CD, enabling continuous integration and delivery with minimal manual intervention, ensuring efficient and reliable updates to the application. **Role: Senior AWS Engineer**

Organization **aQb Solutions** **Customer Location** **USA** **Technologies & Tools Used** MySQL, PHP, Wordpress,FileMaker, Windows Server, XAMPP **Team Size** 5+	**Projects: Retail platform** **Projects Description:** Configured the retail platform using RDS-MySQL, PHP, WordPress, FileMaker, AWS S3, and an AWS Load Balancer on Windows Server with XAMPP. Implemented SonarQube for code analysis and set up AWS CodePipeline for automated CI/CD, ensuring efficient and continuous deployments. **Role: Senior AWS Engineer**

Organization **aQb Solutions** **Customer Location** **USA** **Technologies & Tools Used** AWS, RDS, Linux,GitHub **Team Size** 3+	**Projects: Financial optimization and risk management platform** **Projects Description:** Set up a Linux-based auto-scaling EC2 infrastructure for applications built with CodeIgniter and WordPress, backed by an RDS MySQL database. Integrated an AWS CI/CD pipeline with a GitHub repository, ensuring automated deployments and scalability. **Role : Senior AWS Engineer**

Organization	**Projects:** Affiliate Marketing Website with Serverless Architecture
Zivanta-analytics	**Projects Description:**
Customer Location	Developed an affiliate marketing website using a serverless architecture with AWS ECS Fargate and Docker. Implemented a CI/CD pipeline using GitHub Actions with zero-downtime deployment and a multi-stage environment for development, beta testing, and production. Managed the backend with an RDS MySQL database and integrated AWS SES and SNS for email marketing, ensuring a scalable, automated, and efficient system.
USA	
Technologies & Tools Used	
AWS, ECS, DOCKER, SES, RDS, Linux,GitHub	**Role : Senior AWS Engineer**
Team Size	
5+	