Gaurav Pareek

DevOps | Microservices and Server Less Architectures | Legacy Cloud Migrations

Experienced DevOps with over 7 years of experience. Excellent reputation for resolving problems and improving customer satisfaction.

Work History

2020-06 - Current

Head of DevOps and Infrastructure

Rezcomm

- Developed application architecture strategy to specificallyalign with employer business goals.
- Designed and implemented system security and data assurance.
- Wrote and maintained custom scripts to increase systemefficiency and performance time.
- Installed, configured, tested and maintained operating systems, application software and system management tools.
- Monitored and tested application performance to identify potential bottlenecks, develop solutions, and collaborate with developers on solution implementation.

2018-06 - Current

DevOps Senior Engineer

Staffing Future

- Worked closely with software development and testing team members to design and develop robust solutions to meet client requirements for functionality, scalability, and performance.
- Created migration strategies to bridge developmentgaps between existing software architecture and future updates.
- Developed application architecture strategy to specifically align with business goals.

Contact

Phone

978 426 6896

E-mail

gaurav.ideabox@outlook. com

Skills

- Technical Architecture
- DevOps
- Systems Architecture
- Cloud Architecture
- CI/CD Code Automation

2013-10 to 2019-11

Cloud Solution Architect

Thinklayer, Bangalore, Karnataka

- Built and maintained network infrastructure consisting of Windows, Linux and virtual products.Participated in all
- phases of system developmentlife cycle, from requirements analysis through system implementation.
- Defined enterprise processes and best practices and tailored enterprise processes for applications.Managed
- useof various types of databases and configured, installed and upgraded new ones.
- Provided 2nd and 3rd level technical support and troubleshooting to internal and external clients.
- Worked closely with customers, internal staff and other stakeholders to determine planning, implementation and integration of projects.

Projects

For one of the companies that manage airports across the UK.

What Was The Pain Area?

One of the leading travel company in the UK that based most of its infrastructure on legacy systems hosted on the on-premise servers. The legacy approach involving on-premise storage held to some extent, but it failed to keep pace with the copious amounts of data being generated on a day-to-day basis. As a result, these systems started posing various problems before the company, such as

- Scalability: Their existing systems couldn't handle the high traffic and high load of travel-based flight searches, with nearly 500K traffic hits per month.
- Cost: The organization saw a rise in operating costs because of the high cost of setting up and maintaining on-premise storage servers. High upfront equipment costs often led to poor return on investment with a long payback duration.
- Backups: The legacy storage solutions of were difficult to configure and implement and demanded special training and expertise.

How Did I Help?

I identified that it's time for them to do away with their legacy approach and embrace an integrated AWS service. Here's what we did for them:

- Analyzing and empowering their existing system: The legacy systems of had to be architected based on the microservices on AWS. The company had hosted its legacy systems on the on-premise servers.
- Deployed AWS-based storage architecture: After analyzing their existing storage infrastructure and identifying the key issues faced by the company, I had built and deployed AWS services and microservices-based architecture that could scale based on the search traffic and prove cost-effective when there is low traffic. We built the microservices architecture on multiple AWS services like RDS, EC2, ALB's, S3, CloudFront, CloudTrail,CloudWatch, and many more services.
- Maintenance and support: Once entire system was deployed, I started cost optimization, support, and maintenance based on the traffic loads on their systems. Besides this, monitoring their systems round the clock to ensure everything was working fine. We worked with regular maintenance services for their systems to ensure workflows across the organization are seamless.

After Effects

I could scale up its architecture from 500k to 800k traffic hits per month. In addition, we could deploy a secured, scalable system built with the lowest latency and is GDPR and Data compliant.

Provided the best cloud services to a Staffing Agency in the USA.

The Challenge

A staffing and recruiting company based out of the US. It has provided qualified talent through staffing, recruitment, process outsourcing, and direct placement services. The company's process solutions include managed service programs, vendor management systems, and independent contractor compliance program.

It manages all the working environment through an Application Tracking System. The company solely relies on this system to operate important business functions. These are mission-critical systems that must always be reliable and available.

Since they were using an ageing on-premises hardware platform, it had experienced performance challenges. The company was definitely over storage capacity, so they couldn't grow the business as fast as they wanted to. Theywanted more efficiency to speed up their fail-over processes.

How Did We Help?

The company decided that moving its key systems to the cloud would help solve its performance, scalability, and disaster recovery needs. We assist them with the migration. With my experience and dedication, they feel very confident about the migration. We performed the following major steps to help them –

- Analyzing and empowering their existing system: I analyzed their older systems. As a result, I planned and built a new architecture on AWS to meet their requirements.
- Deployment of storage architecture: I developed the app, manage and monitor servers, integrate it with ATS, and deploy the infrastructure.
- Maintenance and support: We began cost optimization, support, and maintenance services on their systems.To guarantee that workflows across the organization are flawless, we worked with regular maintenance services for their systems.

The Benefits

By moving its systems to AWS, the company gained significant performance improvements. Specifically, CPU utilizationhas been reduced, and database request times have been cut greatly. In addition to faster database request times, their customers can now run processes much faster than before. It also became easier for them to keep pace with growth. Now there are no worries about the capacity constraints. Additionally, the company has improved its disaster recovery processes and increased backup retention time. The organization is also confident that its customers' data is protected.

For one of the largest Newsletters companies in India.

What Were The Pitfalls?

Worked for one of the biggest newsletter platforms in India. Most of its infrastructure is based on legacy systems hosted by the on-premise servers. But it failed somehow to keep pace with the large amounts of data being generated on a day-to-day basis. As a result, these systems started facing severe problems before the company, such as

- Scalability: Their existing systems couldn't handle the high traffic and high load of day-to-day emails.
- Cost: There was an unnecessary hike in operating costs owing to the high cost of setting up and maintaining on-premise storage servers.
- Backups: The in-house servers are not that much capable of backing up this high-intensity data.

How Did We Help?

As with other services in the Cloud, the benefits of adopting Cloud email are most often realized in reduced costs and increased operational efficiency. However, there are several other benefits of adopting Cloud-based email. I migrated their data on the cloud platform. Here's what we did for them:

- Analyzing and empowering their existing system: I analyzed their legacy systems. It was challenging for us to reap their trust and confidence to move their existing systems to AWS. So, we planned and created the new architecture on AWS as per their needs.
- Deployment of storage architecture: I had built and deployed AWS services and microservices-based architecture to help them manage bulk email newsletters and prove cost-effective. We built the microservices architecture on multiple AWS services.
- Maintenance and support: I began cost optimization, support, and maintenance services on their systems once the full system had been delivered. In addition, I began monitoring their systems 24 hours a day, seven days a week, to ensure that everything was running well. To guarantee that workflows across the organization are flawless, we worked with regular maintenance services for their systems.

After Effects

The cloud-based email subscription service model provides significant cost savings for implementing and maintaining the environment. The company also benefitted through flexible scalability. The scalability of Cloud-based email allows for an increase in future email capacity without having to do any major changes.

The organization experienced the simplicity of adjusting storage and computing capacity either up or down, depending on their specific needs.

Education

2009-01 - 2013-01

Bachelor's of Technology: Mechanical Engineering

Sir Padampat Singhania University - UdaipurRajasthan

High School Diploma

St. Anthony's Sr. Sec. School - Udaipur Rajasthan

Certifications

2020-12 Amazon Web Services Developer - Associate

2020-10 AWS Certified SysOps Administrator - Associate

2019-02 AWS Certified Architect Associate